

THE BULLETIN

UNIVERSITY OF TORONTO

JUNE 30, 2003 • 56TH YEAR • NUMBER 21



GET SMART!

Margaret Murphy, a professional storyteller with Storytellers of Canada, helped launch the Girls In/Action interdisciplinary research symposium hosted by the Centre for Research in Girls' and Women's Health and Physical Activity June 27. In Victorian costume, Murphy helped dispel ages-old myths about women and sport (including the once-held belief that physical activity causes uterine displacement) before handing the platform over to Valerie Hepburn, president of the World Breast Cancer Organization, who gave a keynote address titled *Don't Get Mad — Get Smart: Acting Now for the Future of Girls and Women*.

Arts and Science, UTSC Have Room

UTM has slightly more students than expected

By Jane Stirling

THE FACULTY OF ARTS AND SCIENCE on the St. George campus and U of T at Scarborough (UTSC) still have a total of about 650 spaces available for first-year students in September — but the candidates must have very good grades.

Both arts and science and UTSC sent out a third round of offers this week, looking for students with marks in the 80s.

On the downtown campus, arts and science has about 450 spots available in computer science, the humanities, social science and science programs. UTSC has space available for 200 students — 150 OAC students (Ontario academic credit) and 50 non-OAC (for example, out-of-province or visa students). It is seeking students primarily interested in studying management or life sciences but will consider students in other areas.

U of T at Mississauga has slightly more students than its target so will not be sending out more offers.

As of June 19, 10,049 students had accepted offers of admission to U of T, slightly under U of T's 10,300 target. (The numbers of acceptances change daily as students may accept one day then withdraw later). The university sent out offers in April and May

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U of T Ready for Increased Enrolment

By Nicolle Wahl

AS THE START OF THE 2003-2004 academic year draws closer, universities across the province are bracing for the arrival of the double cohort — the influx of students generated by the coinciding graduations of Grade 12 students and the last-ever class of OAC students. Increased enrolment is also being fuelled by the echo baby boom and increased participation rates in post-secondary education.

The Council of Ontario Universities announced June 19 that close to 72,000 students will find a place at one of the province's 19 universities, with just over 10,000 arriving at U of T.

While media reports surrounding the arrival of the double cohort have been dominated by the numbers of students searching for spots, Ontario's universities have also been preparing for the less obvious challenges of coping with the expanded freshman class.

Professor David Farrar, vice-provost (students), is charged with ensuring U of T meets the double cohort head-on while, at the same time, preserving and

enhancing the student experience. "We've dealt with the student space issue and now we're concentrating on all the other aspects from residence to food services and washrooms. These are areas that also affect the quality of student life."

Among the key issues will be housing, libraries and study space as well as personal safety.

To relieve the housing crunch, new residences at U of T at Mississauga and U of T at Scarborough will accommodate 197 and 230 new students, respectively. (UTSC has also planned another 300-bed residence for 2005-2006, bringing the number of students in residence there to approximately 1,000.) On the St. George campus, New College will open a 277-bed residence in September with another 377-bed facility slated to open at Woodsworth College in September 2004. Downtown students will also be using a 27-storey, 1,100-bed residence at 89 Chestnut St. (formerly the Colony Hotel). The first-year residence guarantee remains in place and there will be enough rooms available to satisfy

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Province Announces Second Phase of OSOTF

By Sarah Charlton

U OF T WILL BE ABLE TO strengthen its commitment to student financial assistance, thanks to the \$400-million second phase of the Ontario Student Opportunity Trust Fund (OSOTF), announced June 24 by the provincial government.

The OSOTF program, created in 1996, allowed U of T to create an endowment of \$300 million, making it the first university in Canada to provide a financial guarantee to all eligible students.

"U of T welcomes the second round of OSOTF. This wonderful program will provide support to

students who need it most and it asks the private sector to share in the support while encouraging universities to do their best in raising funds to make education affordable to students in need," said President Robert Birgeneau. "The results of the first round of OSOTF were magnificent and I have no doubt that this time they will be even better."

The OSOTF pledge period will take place between Jan. 1, 2004 and Dec. 31, 2005. In the meantime, donations towards student support received between March 27 and December 31, 2003 will also receive the dollar-for-dollar match.

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THE BEAVER AND THE EAGLE

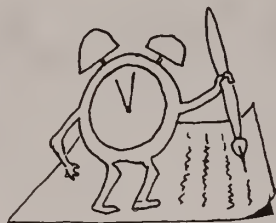
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KICKING BACK

There are as many ways to retire as there are those retiring. Pages 8 and 9



IN BRIEF



UC ANNOUNCES NEW RESIDENCE

A \$6 MILLION GIFT FROM U OF T GRADUATES RUSSELL AND KATHERINE MORRISON is a welcome contribution to the construction of the first new University College on-campus residence in almost 50 years. Morrison Hall, to be located between the Whitney Hall and Sir Daniel Wilson residences, will provide accommodation for 270 students, bringing the total number of UC residence spaces to 720. Construction will begin this fall, with completion in 2005. Russell Morrison drew on his own experiences living in student rooming houses when he was a student to fund the project. "Morrison Hall will ensure that future generations enjoy the community spirit that comes from on-campus living," said Jon Dellandrea, vice-president (university advancement). "This is a gift that will transform the university experience." A previous gift from the couple created the Morrison Pavilion, which doubled the size of study space at the state-of-the-art Gerstein Science Information Centre.

REED RECEIVES MAJOR MELLON GRANT

THE RECORDS OF EARLY ENGLISH DRAMA HAS RECEIVED A \$500,000 US MELLON grant — the second Mellon the Victoria College-based project has received in the past three years. REED's mandate is to find, transcribe and publish evidence of dramatic, musical and other entertainment activity in Great Britain before 1642 when the Puritans closed the public theatres in London. This funding will allow REED to begin the final stages of work on the records of what is now greater London as well as allowing the hiring of a London-based research assistant and a Toronto-based bibliographical researcher. "We are delighted with the grant and the obvious confidence the Andrew Mellon Foundation has expressed in REED's ability to accomplish what we set out to do," said Professor Alexandra Johnston, director of REED.

RENOVATIONS TO SIDNEY SMITH HALL APPROVED

STUDENTS WILL HAVE MORE SPACE FOR RELAXATION AND STUDY FOLLOWING Governing Council approval June 26 of further renovations to Sidney Smith Hall. The project will see the enclosure of the patio areas under the overhangs on the east and west sides of the building to create more space for food service and lounge seating, study areas and bookable space for student groups. The \$3.3-million project is being designed by Ian McDonald Architect Inc., which also designed the Sidney Smith infill project that created new faculty offices and meeting rooms at the core of the Faculty of Arts and Science. The patio enclosures will extend beyond the existing building overhangs to the north tower and will tie into the newly renovated lobby. The project is expected to take about 16 months to complete.

UTSC OFFERS THREE NEW JOINT PROGRAMS

THREE NEW JOINT PROGRAMS BETWEEN U OF T AT SCARBOROUGH AND Centennial College were formalized June 16, bringing the number of joint offerings to six. Beginning in 2004, students will be able to enter programs in health informatics, industrial microbiology and environmental science and technology directly from high school. Students of the joint programs will graduate from UTSC with an honours bachelor's degree in arts or science and may also qualify for a diploma or certificate from Centennial College.

AWARDS & HONOURS

FACULTY OF ARTS & SCIENCE

UNIVERSITY PROFESSOR MICHAEL BLISS OF HISTORY RECEIVED an honorary doctor of letters degree from McMaster University at convocation ceremonies May 16. A prolific author and distinguished Canadian historian, Bliss was cited as a "well-known intellectual who is considered the pre-eminent medical historian of his generation." Bliss also gave the convocation address.

PAUL RUPPERT, DIRECTOR OF INSTRUCTIONAL TECHNOLOGY FOR humanities and social sciences, was one of this year's 47 fellows nominated to participate in the Frye Leadership Institute, an intensive two-week residential program held at Emory University. Participants were selected competitively from among 230 nominees; he is the second Canadian selected to attend since the first institute was held in 2000. After the residential portion, held June 1 to 13, Ruppert will conduct a one-year practicum to explore key issues raised.

SCHOOL OF GRADUATE STUDIES

UNIVERSITY PROFESSOR EMERITUS JOHN BEATTIE OF THE Centre of Criminology and history received an honorary doctor of letters degree from the University of Guelph at convocation ceremonies June 10. Honoured for his work in the history of law, crime and punishment, Beattie has developed new analytic methods and has brought historians, lawyers, sociologists, policy-makers, literary critics and demographers together in conversation.

FACULTY OF MEDICINE

PROFESSOR ADALSTEINN BROWN OF HEALTH POLICY, management and evaluation was selected one of the 2002 Top 40 Under 40, featured in the May 2003 edition of the *Report on Business Magazine*. Principal investigator of the hospital report project, Brown and his team of 35 researchers have developed a scorecard for hospitals and health care systems. Canada's Top 40 Under 40 is a national program founded and managed by Caldwell Partners to celebrate Canada's leaders of today and tomorrow and to honour Canadians who have reached a significant level of success before the age of 40.

PROFESSOR FRANCES CHUNG OF ANESTHESIA HAS BEEN elected president of the Society of Ambulatory Anesthesia for 2003-2004. A recognized subspecialty organization of the American Society of Anesthesiologists, the society was established in 1985 with the purpose of advancing the study and growth of ambulatory anesthesia and encouraging high ethical and professional standards by fostering and encouraging research, education and scientific progress in ambulatory anesthesia.

FACULTY OF MUSIC

PROFESSOR EMERITUS EZRA SCHABAS HAS BEEN AWARDED A Chalmers Arts Fellowship to support the writing of a personal history of the Royal Conservatory of Music.

SCHABAS has worked at the conservatory in a variety of ways over the past 50 years and served as principal from 1978 to 1983. The Chalmers program, established by the Ontario Arts Council and supported by the Chalmers Family Fund, was launched in 2002 and replaced the Chalmers Awards to benefit many more artists and is divided into two components, Chalmers Art Fellowships and Chalmers professional development grants.

OFFICE OF THE VICE-PRESIDENT (RESEARCH) & ASSOCIATE PROVOST

PETER MUNSCH, ASSISTANT VICE-PRESIDENT (TECHNOLOGY transfer), is this year's winner of the Walter Hirschfeld Award of the Canadian Association of University Administrators. The organization's highest distinction, the award recognizes exceptional dedication to the enhancement of university-based research in Canada; award holders are granted honorary membership in the association. Munsche received the award for his long-standing leadership in fostering partnerships with other institutions, the private sector and federal and provincial governments.

U OF T AT SCARBOROUGH

PROFESSOR EMERITUS JOAN FOLEY AND PROFESSOR PAUL THOMPSON, vice-president and principal, have been awarded the honorary title of Fellow of Centennial by the board of governors of Centennial College. The award is in recognition and appreciation of the contributions made in furthering the development of partnerships between Centennial College and the University of Toronto at Scarborough. Thompson received his award at convocation ceremonies June 12 and Foley at convocation ceremonies June 13.

TOM NOWERS, ASSOCIATE PRINCIPAL (STUDENTS), IS THE winner of this year's Recognition Award of the Student Affairs & Services Association, a division of the Canadian Association of College & University Student Services. The award, given in recognition of outstanding service to the student affairs and services profession and/or a milestone in a member's career, was presented at the Canadian Association of College & University Student Services annual conference June 16 at the University of British Columbia. Nowers received the award for his 25 years of outstanding service to the student affairs profession.



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New Teaching Awards in Medicine

By Janet Wong

THE FACULTY OF MEDICINE WAS host to academic and clinical faculty June 16 at its first-ever awards ceremony in recognition of its outstanding teachers.

"This is the first time the faculty has held an event to honour, in an awards way, the fantastic contribution that we get from our teachers," said Professor Rick Frecker, associate dean (undergraduate education). "Many of these awards have been around for a long time but they've tended to be given out at one or another venue at different times. And this

is the first time we've got 150 or so faculty who teach at one location for an award ceremony."

The inaugural event was organized and sponsored by the faculty's education deans council, comprising Frecker and Professors Dave Davis, associate dean (continuing education), Cathy Whiteside, associate dean (inter-faculty and graduate affairs), Murray Urowitz, associate dean (postgraduate medical education) and David Naylor, dean of the faculty.

A total of 17 awards were presented to teaching faculty in the continuing education,

undergraduate, graduate and postgraduate streams of the medical school.

"A university does two things — it teaches and it does research. And we have certainly elevated the level of our research accomplishments in the faculty, and rightfully so. This is a very public way of ensuring our teachers receive the recognition they deserve," said Urowitz.

Frecker said the faculty plans to make the event an annual one. "We hope that people will eventually realize that this is the Academy Awards for teaching [at the medical school]."

U of T Communicators Do It Again

By Ailsa Ferguson

U OF T COMMUNICATIONS STAFF have done it again, winning gold, silver and bronze for the university in two major national and international communications and development awards competitions.

In the 2003 Canadian Council for the Advancement of Education (CCAЕ) prix d'excellence program U of T won 13 awards with *The Campaign Quarterly* bringing home gold in the best newsletter category. The *University of Toronto Magazine* also won gold for best article on a topic of human interest for The Troubled Healer by James Fitzgerald in the spring 2002 issue and in the best writing (English language) category for Such a Long Journey, an article on Rohinton Mistry by Stacey Gibson, in the summer 2002 issue.

Edge, published by the Office of the Vice-President (Research) and Associate Provost, won silver in the best magazine under \$100,000 category while Victoria University's Think Back won for best program, development. The *University of Toronto Magazine* won three silver awards: for best photograph for Susan King's photograph of Bob Rae and Michael Ignatieff for School Ties in the autumn 2002 issue; best writing (English language) for The Troubled Healer by James

Fitzgerald in the spring 2002 issue; and best writing on a topic of human interest for Such a Long Journey by Stacey Gibson in the summer 2002 issue.

Winning bronze were: *The Bulletin* for best newspaper; the 2002 National Report, Innovation x 175 years = U of T, for best institutional annual report; the U of T National Report Web site for best department or program site on the World Wide Web; the breast cancer series by Janet Wong of public affairs for best news release (English); and *Nexus*, published by the Faculty of Law, for best magazine.

Winners received their awards June 16 at CCAЕ's annual conference in London, Ont.

On the international scene, the 2002 National Report won the gold medal in the Council for Advancement and Support of Education (CASE) circle of excellence program in the individual institutional relations publications category while the *University of Toronto Magazine* won a grand gold medal for best article of the year for Is the Canon Shot? by Jay Teitel in the spring 2002 issue. The *U of T Magazine* also won a bronze medal in the college and university general interest magazines category. The awards presentation will be held July 6 at the CASE international assembly in Washington, D.C.

Asbestos Policy Adopted

By Jessica Whiteside

GOVERNING COUNCIL HAS approved a new policy that raises the university's standards for dealing with asbestos control issues.

"It increases awareness everywhere in the institution that this is something we should be taking very seriously," said Professor Angela Hildyard, vice-president (human resources), noting that although the university has an ongoing asbestos control program, this is the first time it has had a formal policy on the issue. "The Occupational Health and Safety Act sets out quite specific guidelines but, as with any progressive organization, it's always appropriate to look at how we might go beyond the minimum."

Developed by a joint union-management task force and approved by Governing Council June 26, the new policy sets out U of T's commitment to proper asbestos management practices; as mandated by the policy, the asbestos control program then spells out what those practices are. The program has been revised as a result of the task force's study of best practices elsewhere and, among other requirements, calls for an asbestos advisory committee,

reporting to Hildyard; review of the program every two years; and establishment of a medical surveillance program for employees who work with asbestos.

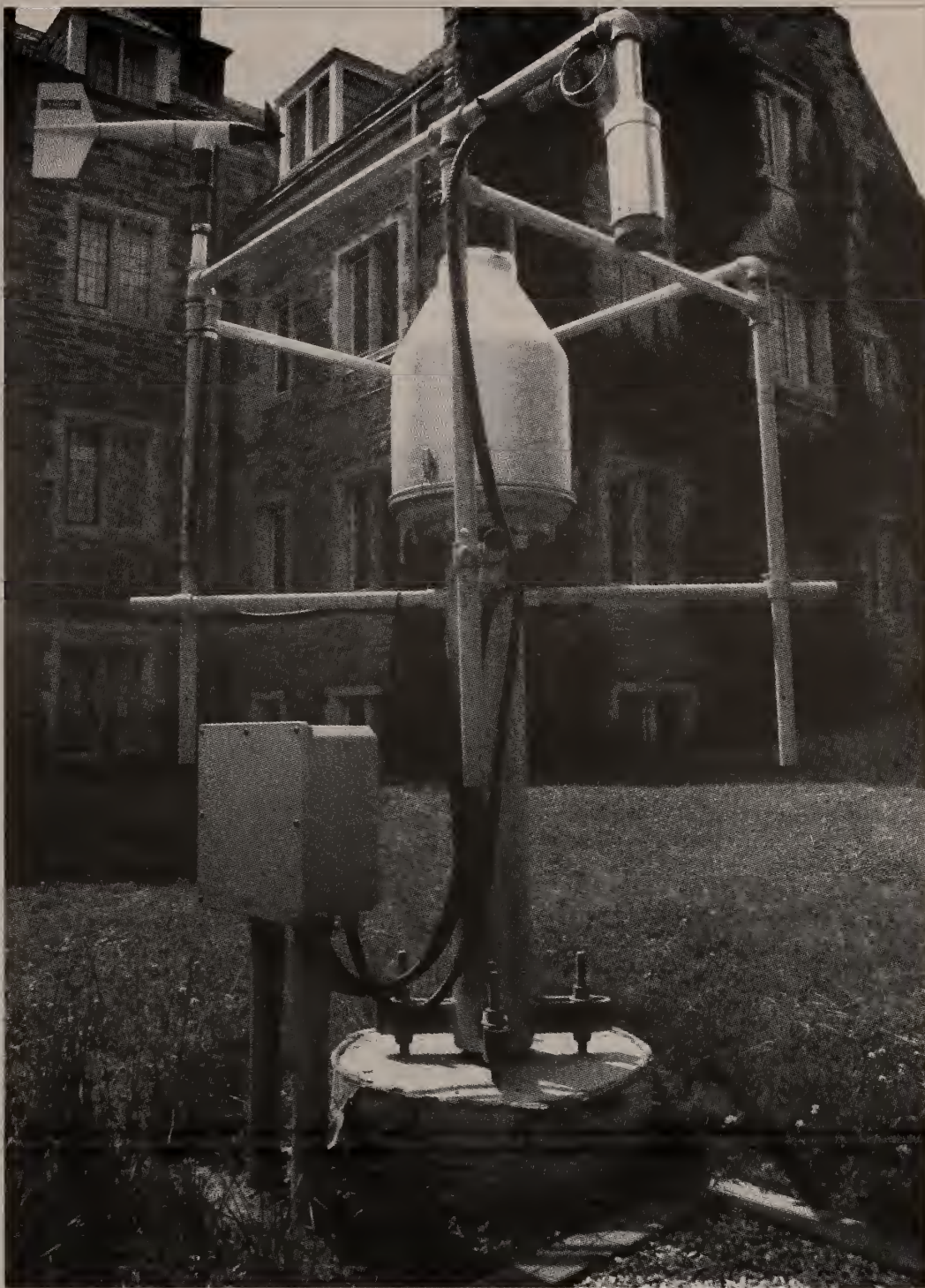
The program also provides for improved training and two new positions: manager for environmental hazards and safety, responsible for administration and implementation of the asbestos control program and asbestos co-ordinator (capital projects), responsible for asbestos issues related to capital projects.

"We now have a policy that is probably second to none," said Brian Davis, a staff representative on Business Board and Governing Council. Congratulating Hildyard at the June 19 Business Board meeting for seeing the task force through the process, Davis said the university today "is a much safer place to work and study."

Hildyard, in turn, commended union representatives for bringing considerable expertise to the task force process and raising management's awareness of issues of concern. Although the process was contentious at times, consensus was reached on key asbestos control issues, she said.

"We actually worked together and I think that bodes well for future health and safety issues," she said.

CURIOSITIES



JEWELL RANDOLPH

Long-Range Forecast

By MICHAH RYNOR

FOR APPROXIMATELY 160 YEARS THE TEMPERATURE, HOURS OF SUNLIGHT AND THE AMOUNT OF RAIN AND SNOW HAVE been faithfully recorded on the St. George campus by the oldest continuously read weather station in Canadian history. Located at Trinity College (although it has moved around the campus over the decades) these instruments — so delicate that a person standing too close can alter the results — had to be read twice a day every day by volunteers for all of those 160 years. But a great tradition ends July 30 as the station goes online, sending the information to Environment Canada, all by itself.

Group to Review Accessiblity on Campus

By Mary Alice Thring

OVER THE COURSE OF THE summer an advisory group comprising students, faculty and staff will look at accessibility at U of T and their focus will extend far beyond ramps for buildings.

"The university has some good guidelines in place for new buildings," said Professor Angela Hildyard, vice-president (human resources), in an interview. "The Ontarians With Disabilities Act, passed last year, broadened the definition of disability beyond wheelchairs to include hidden conditions such as hearing impairment, arthritis, chemical sensitivities and mental illness. Our guidelines were established some time ago and this is an

opportunity to go back and rethink these broader needs for barrier-free accessibility."

The task force will also examine issues surrounding information technology, communications, policies and practices, student life, instructional design and attitudes. While the university has worked towards meeting the needs of students through accessibility offices on all three campuses, Hildyard said the task force will focus on the needs of faculty and staff.

"Student services has done an outstanding job raising awareness and providing accommodations for physical and learning disabilities. What we are looking at now is long-term planning to translate those types of needs into the

workplace," Hildyard said. This is the start of a lengthy process to increase diversity of the workforce."

The task force will use U of T's academic and research strengths to help address issues, with an emphasis on outreach and education as a means of changing attitudes and perceptions about disability.

"The legislation forces us to view the environment and how you interact with people in quite different ways and to that extent it's great," Hildyard said. "I'm very confident that what the university puts together will be comprehensive — not just in response to the legislation but in saying what U of T can be proud of and where we would like to see ourselves in the coming years."

A FOND FAREWELL

Paul Thompson leaving UTSC after 36 years

By MELISSA JOSEPH

PAUL THOMPSON HAS SEEN U OF T AT Scarborough mature from four unique vantages — as a student, professor, researcher and, for the last 14 years, as principal. After 36 years, it was not an easy decision to make but he's moving on.

Delighted with the opportunity to help shape UTSC, Thompson departs with the confidence of a person who, with the help of his colleagues, has left a great legacy.

Over the next 10 years, he predicts UTSC will continue to attract top students to all disciplines, increase the number of unique opportunities in graduate studies, have 60 per cent of its students in co-op and become more widely known for its leading-edge research and scholarship.

Though he's leaving UTSC, Thompson won't be far — he will be taking over as director of the Institute for the History and Philosophy of Science and Technology at Victoria College. "The decision to take a position on the St. George campus has not been easy," Thompson says. "This is a terrific place. UTSC has been great to me and I've met such fabulous people here."

Flash back three decades, when UTSC experienced a pivotal moment while Thompson was still a student. "Scarborough College was originally part of the Faculty of

Arts and Science. But that changed when Claude Bissell, on his last day as president of the university, created the Faculty of Scarborough College," he says. "The impact was that Scarborough now had its own divisional chairs, selected its own faculty, set curriculum and managed its buildings and development."

By the 1980s Thompson joined the faculty and served as chair of humanities from 1987 until 1989 when he became principal. "It was in the 1990s, with the expansion of co-op, the introduction of the

bachelor of business administration degree and strengthening of our environmental sciences, that we really distinguished ourselves within U of T," he says.

These well-known programs are among the reasons for UTSC's growing reputation and its 86 per cent surge in applicants this year — twice the provincial increase. Last year he became UTSC's first vice-president and principal. "The period we entered in 2000 was clearly the second wave of major change," he says. "The ability we have gained to expand our campus infrastructure will have a lasting impact. These chances only come along about every 30 years and we are once again in a position to be innovative and to set the course for the next 30 years."

As an academic, Thompson has also played the role of innovator — his PhD thesis in 1978 explored the logical and mathematical structure of evolutionary theory and the role of population genetics and ecology within it. While a philosophy professor in the 1970s, Thompson introduced a course on social issues that applied theories and tools of ethics and morality to practical issues like abortion. His was the first philosophy class at UTSC to enrol more than 200 students.

Upon completion of his term at the end of June, Thompson will take a year off to travel with his wife before assuming his new post. He says he is excited that he will be able to devote more time to teaching and research — as principal at UTSC he taught every year except one — but he will always have a warm place in his heart for UTSC.

"I feel a part of this place," Thompson says. "I grew up in Scarborough and in many ways at UTSC and I will always have a keen interest in what is going on here."



Faculty, staff, students, alumni and community members gathered at UTSC's Miller Lash House June 18 to bid farewell to Professor Paul Thompson, who will be stepping down after 14 years as principal. He will take leave for a year before assuming his new position as director of the Institute for the History and Philosophy of Science and Technology at Victoria College in 2004.

Increased Enrolment

-Continued From Page 1-

demand, Farrar said.

Library facilities have also been expanded on all three campuses: at UTSC, the new Academic Resource Centre will provide an Academic Advising and Career Centre, Writing Centre and a Math Help Centre; the UTM library will assess demand for more sessions on essay writing, use of the Internet and good study habits; and Robarts Library will offer 24-hour study space during the school year while the Ontario Institute for Studies in Education of U of T will provide supplementary group study space. The recently opened Morrison Pavilion at the Gerstein Science Library will provide 650 extra study spaces.

In anticipation of more undergraduate students on campus, U of T is revising its alcohol policy to recognize that not all members of the university community are adults and that U of T has a duty to intervene when alcohol is not being used responsibly. On the St. George campus, police services are adding two more emergency phones and dedicating staff to educating new students about safety and security, including crime prevention tips for daily

campus life. UTM has increased the number of security phones on campus and as with the other two campuses, the university will continue its successful WalkSafer program. At UTSC, additional front-line officers have been hired and a new security system installed in order to ensure that the highest possible levels of personal safety and security exist on campus.

Although U of T has explored offering classes on Saturdays, Farrar said it has decided not to do so for budgetary reasons. "If you open up the campus on the weekend, you have to bring in everything — maintenance, caretaking, police — and there's a huge infrastructure cost," he said. To cope with space and course demands, both UTM and UTSC will be extending classroom hours into the evenings, if necessary.

Farrar said U of T is keenly aware that roughly 50 per cent of this past year's incoming students — and all of next year's — are a year younger. "We have put a lot of thought into the kinds of orientation programs students will need in order to become comfortable at U of T and we're confident the experience they have here will be a wonderful one."

Arts and Science, UTSC Still Have Room

-Continued From Page 1-

and students had until June 16 to respond.

"In the big picture, our numbers are bang on but we're trying to smooth things out in some of the programs," said Professor David Farrar, vice-provost (students). "In those programs where we have more students than expected, we'll develop strategies to cope with the situation. We'll look at the resources available to accommodate our extra students."

All students who are accepted to U of T will be accommodated, provided their final grades meet the minimum high school graduating requirements. Students are accepted to Canadian universities

before their final grades are reported.

A third round of offers is not unusual at U of T, Farrar said. "With the rapid expansion of students at Ontario universities, the historical ratios of offers to acceptances haven't always held true. The numbers of acceptances do not always play out the way we think they will. At U of T, we've always been slightly conservative with our student offers and this year, it seems, we got our global numbers right."

At a news conference June 19, Dianne Cunningham, minister of training, colleges and universities, announced that almost 72,000 students accepted offers of admission at Ontario's 19 universities.

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Interim Salary Award for Faculty, Librarians

By Jane Stirling

FACULTY AND LIBRARIANS WILL receive an interim salary adjustment of 2.25 per cent across the board plus merit.

The interim award was announced because the 2003-2004 salary and benefit negotiations may not be concluded until early in 2004, said Professor Angela Hildyard, vice-president (human resources), in a memo to senior academic administrators. "In view of the potential delay, the U of T Faculty Association and the university have agreed to implement an interim award." Both UTFA's council and Business Board approved the award at meetings June 18 and 19, respectively.

The university will make every effort to implement the salary award, which is effective July 1, in the July pay, the memo says.

"We're very pleased to be able to recommend this interim award in light of our commitment to reach a fair settlement with

UTFA," Hildyard said. "We're also extremely grateful to departmental business officers who will be responsible for the actual implementation of the award on such short notice."

"This salary award will certainly benefit our members," said Professor George Luste, president of UTFA. "It means our members will have access to some compensation sooner rather than later and will certainly help those dealing with mortgage payments and young families."

President Robert Birgeneau said he believes that this interim adjustment will be welcome. "It is very important for our faculty and librarians to have this award in as timely a way as possible."

Salary and benefit negotiations between UTFA and the university will continue, Hildyard said. The interim award does not preclude the possibility that the parties may agree to additional changes to the total compensation package.

Campus Security Linked to Community Safety

By Mary Alice Thring

DEVELOPING A POLICY ON SAFETY and security would enable U of T to look beyond physical infrastructure security to community safety, said Dan Hutt, manager of police services, following a recent seminar on campus security. "We get the sense that people think this is a good idea," Hutt said. "We would like to develop a process of consultation with the community to develop an enabling policy that is security based, not maintenance based."

Approximately 70 U of T property and facilities managers and other stakeholders assembled June 16 for the first of what Hutt hopes will become a biannual event. Presentations addressed local and campus crime rates, environmental design for safety and property management and maintenance challenges unique to U of T.

Constable Don Keeley, crime analyst with Toronto Police Services, 52 Division, reviewed crime statistics for the area bounded on the north by Dupont Street, Jarvis Street on the east, Lake Ontario on the south and Spadina Avenue on the west — the largest and busiest police division in the city.

"The St. George campus is the calm eye of the storm [in 52 Division]," said Keeley, noting that U of T has a built-in psychological wall around it.

"Crimes against people are limited because of the strong sense of community and belonging. However, the criminal element picks up on vulnerabilities [in the physical environment] and goes

shopping," he said, attributing this to the increase in the number of thefts of items valued at over \$5,000 such as laptops and data projectors.

One aspect of creating a safe community involves appropriate use of the physical environment, including lighting, landscaping and signage, said Terry Wright, manager of crime prevention and emergency preparedness at York University. "Proper design and effective use of the built environment can lead to a reduction in the incidents and fear of crime and an improvement in the quality of life," he said.

Ron Swale, U of T's new director of property management and maintenance, pointed out that over the past 10 years the facilities and services budget for maintenance, adjusted for the consumer price index, has decreased by over 30 per cent. "As a result we are restricted to operating on a reactive basis," Swale said. "Funding for security is limited to replacement of broken doors, locks and windows."

While security of buildings and property is the responsibility of the occupants, and individual departments must pay for special requirements, Swale pointed out that security is a shared responsibility. "All of us share in ensuring the safety and security of persons and valuables on campus," he said.

"U of T is policy driven; we need a policy on security," Hutt said in concluding the meeting. "This should come to Governing Council where it can be debated and funded. There's no reason to be fearful, but every reason to be careful."

Orbinski to Launch Drug Initiative in Geneva

By Mychaylo Prystupa

JAMES ORBINSKI, INTERNATIONAL health advocate and research scientist at St. Michael's Hospital and U of T, offers a bold solution to a classic problem: How do you



get the global pharmaceutical industry to develop drugs for the Third World?

You don't — you make the drugs outside the industry.

Orbinski will launch the Drugs for Neglected Diseases Initiative (DNDI) in Geneva July 3, a public sector solution to developing drugs for millions of people in the developing world who have diseases for which there are currently no medicines.

"There is an enormous number of poor people who fall outside a market-based system, who still have health needs and who still suffer from diseases for which there is no effective treatment," Orbinski said. "The DNDI is an effort to address that crisis."

The head office, registered in Switzerland, will spearhead a "virtual" drug development program by marrying university labs and health ministries from the developing world with the research capabilities of wealthy-nation universities, the Pasteur Institute in France and the World Health Organization's Tropical Disease Unit.

"By pulling previously fragmented research sites together to focus on a specific question like how to develop a new treatment for African sleeping sickness, you accelerate a research agenda and you create new medicines that primarily affect poor people," Orbinski said. "That's something, to date, that hasn't happened very effectively."

DNDI is unique — it's one of the few drug development initiatives motivated entirely by need rather than profit. Some initiatives, to treat HIV/AIDS or tuberculosis for instance, have been based on public-private partnerships that overlap with the health interests of wealthy nations, he added.

By contrast, DNDI will focus on the most neglected diseases — communicable diseases that primarily affect large numbers of people with very little purchasing power in the developing world who do not constitute a viable economic market for drug companies. Africa, for example, accounts for about 15 per cent of the world's population but only one per cent of the drug market.

Orbinski, former president of Médecins Sans Frontières International (MSF) who accepted the 1999 Nobel Peace Prize on the organization's behalf, chaired an international working group that formed DNDI. The initiative has created a board, hired an executive director and established two regional offices in Brazil and Kenya. MSF is giving the initiative \$50 million for the next five years.

On deciding which diseases to treat, Orbinski said there's no easy algorithm. "One approach would be to develop a shopping list based on mortality," he said. "But another would be to say, What capabilities can we pull together, or create, to deal with the world's most neglected diseases?"

Research on these and other ethical policy questions will be conducted at the Centre for International Health in the Faculty of Medicine, where Orbinski is a senior research fellow.

Scientists Build Bridge for New Bone

By Nicole Wahl

U OF T SCIENTISTS HAVE developed a biodegradable scaffold, similar in structure to a dish sponge, that significantly speeds the rate of bone healing.

The material, developed by an interdisciplinary team with expertise in engineering, biology, chemistry and dentistry, provides a building scaffold for bone growth. The scaffold, which eventually dissolves, increases healing rates and offers a potential new treatment for bone loss in cases such as trauma or spinal fusions.

"We have been successful in stimulating cell and tissue growth both in the laboratory and in animal models and replacing bone with bone — the underlying principle of bone tissue engineering," said co-investigator Molly Shoichet, a professor of chemical engineering and applied chemistry at the Institute for Biomaterials and Biomedical Engineering (IBBME). The study appeared in the June 15 issue of the *Journal of Biomedical Materials Research Part A*.

Bone automatically replaces itself, allowing healing of injuries such as fractures. But in some traumatic cases, there is too much damage for the bone to heal on its own. Bone grafting, or moving

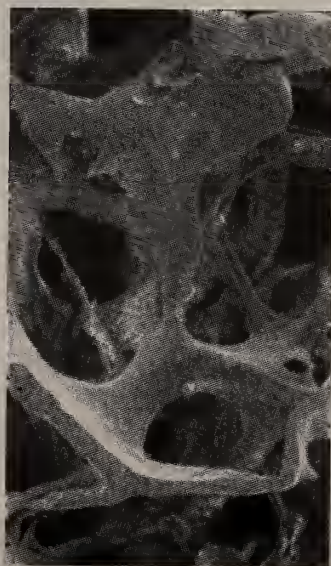
bone from one body part to another, is a common solution in fields such as orthopedics or dentistry, said Professor John Davies, IBBME co-investigator. "The problem is that there's often not enough of the patient's bone to move from one site to another, so you've got to resort to other means of generating bone."

Davies, Shoichet, Jeff Fialkov, a surgeon at Sunnybrook and Women's College Health Sciences Centre, and graduate student Chantal Holy started experimenting in 1995 with polymers and natural bone tissue to find a new method of bone regeneration. They developed a biodegradable scaffold with polymers similar to those found in dissolving sutures and with a structure similar to a large-pored dishwashing sponge. The size of the pores is critical, said Davies. "When you put material like this in the body, the host tissue can grow into these areas very rapidly and very efficiently."

The team then implanted the scaffolds — seeded with bone marrow cells — in the damaged femur bones of rabbits. Within six weeks, the animals could walk on the legs containing the scaffolds. "Animals with scaffolds healed at a significantly faster rate [than those without the scaffolds],"

Shoichet said.

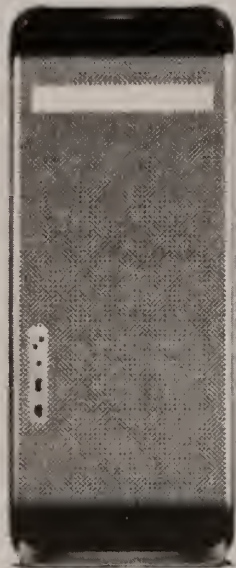
The team now plans to study the scaffolds in larger animals, with the ultimate goal of creating a human treatment that could speed the early healing of bone trauma. "When people are treated in hospitals, they want medicines or therapies that can get them up and going as quickly as possible," said Davies. "It's not only better for the patient, but it gets the patient out of bed and out of the hospital soon so there's less cost to the health care system."



Scanning electron micrograph of a foam structure.

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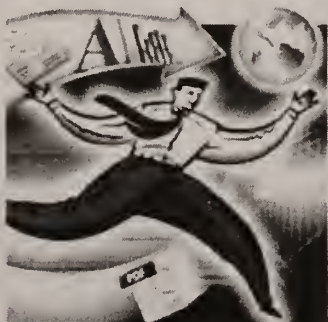
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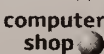
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IN MEMORIAM

Toguri Had a Passion for Science

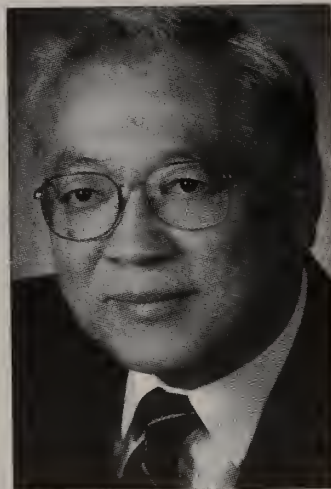
PROFESSOR EMERITUS JAMES Toguri of materials science and engineering, a man with an infectious enthusiasm for science and engineering, died April 8 after a lengthy struggle with complications following heart surgery. He was 72 years old.

"Jim Toguri's passion for science and engineering was electric," said Professor Doug Perovic, chair of materials science and engineering. "His determination and stamina influenced so many to rise beyond their own preconceived limitations."

Toguri first came to the University of Toronto as a student, receiving his BSc in 1955, MSc in 1956 and PhD in 1958. After completing his PhD he held post-doctoral and research associate appointments in London and Norway and at the University of Chicago. From 1962 until he joined the faculty at U of T in 1966, he was head of the chemistry section of the Noranda Research Centre in Pointe Claire, Que.

After he returned to U of T, Toguri supervised numerous graduate students and visiting research associates and as a result his influence and leadership spread internationally with professional exchange commitments

in Chile, Norway, Japan, Australia and the U.S. As well, he served as chair of what was then the Department of Metallurgy and Materials Science from 1976 to



1981 and held the Senior INCO/NSERC Industrial Research Chair in Chemical Process Metallurgy from 1988 until his retirement in 1998. In 1995 he was inducted into the University of Toronto Engineering Alumni Hall of Distinction.

The author or co-author of over 200 scientific papers, Toguri has made a significant impact on the scientific and technical community. For his outstanding contributions

he received numerous awards including the Metallurgical Society of the Canadian Institute of Mining, Metallurgy and Petroleum's Alcan Award in 1979 (the premier award for metallurgical contribution) and the inaugural Silver Medal for sustained contribution to the development of the Metallurgical Society in 1986. A fellow of the American Society of Metals, the Canadian Institute of Mining, Metallurgy and Petroleum as well as the Royal Society of Canada, Toguri also had the special distinction of being the first Canadian to be elected a fellow of the Norwegian Academy of Technical Sciences. In 1996 he was elected an honorary member of the Japan Institute of Metals and in 1998 received the Third Order of the Rising Sun, conferred by the emperor of Japan in recognition of his efforts to foster relations between Japan and Canada. Since 1967 Toguri welcomed more than 36 post-doctoral fellows and visiting professors from Japan.

"His legacy will be defined by his seminal contributions to his field and by his large group of former students and colleagues who will advance our society," Perovic said.

BEYOND WORDS

David Hunt to leave teaching after 50 years

By JESSICA WHITESIDE

AFTER 35 YEARS AT THE ONTARIO INSTITUTE FOR Studies in Education, it's time to leave, says Professor Emeritus David Hunt.

Hunt, now 77, actually retired some years ago but stayed on to teach part-time and continue his research into "the human venture." After 50 years of university teaching — first in psychology at Yale and Syracuse, then in applied psychology at OISE, and finally in adult education, community development and counselling psychology at OISE/UT — what insights has he gleaned about his profession?

He's developed what he calls five "stingers" that make up a credo applicable to teaching, learning and everyday living. The first stinger is his belief that "every person is a psychologist" able to find knowledge within, based on their own experiences; the second is that sharing that first-hand knowledge with others can lead to greater understanding and a sense of renewal — just the thing to ward off professional burnout.

Hunt's third stinger, on display every time he teaches a class or leads a workshop, is that actions speak louder than words. If, he explains, his actions don't exemplify what he's talking about, none of his words will matter. That ties in with his fourth stinger: that creating a climate of trust is the first priority in any teaching-learning interaction.

"I call my students colleagues because we're

exploring the human venture together," he says. "I respect and honour their experience. I think that has meant a great deal."

It certainly has meant a great deal to his colleagues: one observer described a recent musical tribute to Hunt's 50 years of university teaching (and 20 years of playing alto sax) as "a love-in."

"He is an absolutely outstanding teacher," says Professor Mary Beattie. "He is totally inspiring to every student who comes in contact with him."

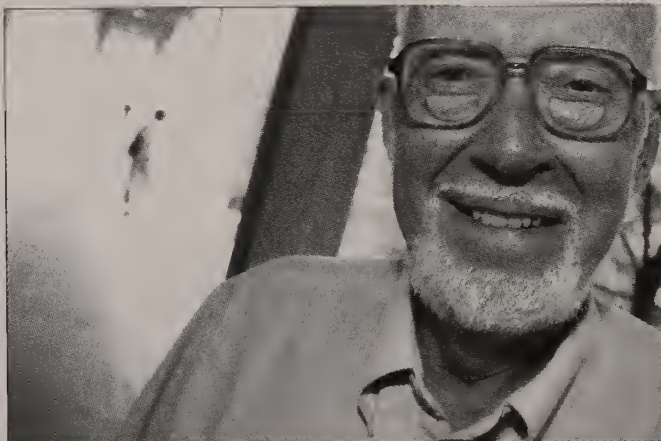
His accomplishments have been achieved with the support of others, says Hunt, especially his wife and the institute itself which has allowed him to take his work in the directions he wanted to explore.

"It was not an easy decision to

make. I just decided it was time," he says of leaving teaching, noting that he still plans to meet with individual students and continue writing.

The final, perhaps most cherished, stinger in Hunt's credo is "honour the mystery," his belief that the most important features of the human venture are often unnameable, beyond words. He found himself moved beyond words into tears recently when his colleagues unveiled a new award in his honour, the David Hunt Award for Excellence in Graduate Teaching at OISE/UT.

"It's everything a person could want at the end of a career," he says.



STEVE BEHAL

COMMENTARY

CONTINENTAL DIVIDE

Are Canadians and Americans growing apart?

By ROBERT BOTHWELL

THE "ANNIVERSARY SEASON" IS UPON US again, the Canadian and American national holidays and their accompanying celebrations. Canadians may wonder what there is to celebrate, given the list of natural disasters that has befallen us, from SARS to Mad Cow to West Nile. The annual coincidence of Canadian and American holidays and the proximity of national festivals are an occasion to pause and consider what has happened to Canadian-American relations.

The uneasiness is compounded by the sense that all is not right in Canada's relations with the United States. The Canadian government refused to join George Bush's expedition to Iraq and the American government expressed its "disappointment" and cancelled the president's scheduled official visit to Canada in an obvious snub to Prime Minister Jean Chrétien. (Instead, the "friendlier" Australian prime minister was received at the Bush ranch in Texas.) We see on the news that Premier Ralph Klein has jetted off to Washington, there to make the case for reopening the American border (closed because of Mad Cow) to Alberta beef, and an American commentator solemnly assures Canadian TV watchers that Klein is perhaps the only Canadian political figure who might have enough credibility in Washington — Bush's Washington — to do the job.

Politics and trade are, obviously, linked or at least linked closely enough to cause concern. One sign of the concern was the argument by two prominent trade experts, Sylvia Ostry and Gil Winham, that Canada's trade dependence on the United States had created Canadian "vulnerability" at a time when the United States is placing security over trade and when, in security terms, Canada is increasingly perceived as an aspect of American vulnerability. In response to this problem they called for export promotion and the



expansion of trade with "regions outside North America, and especially South America." What is significant about Ostry and Winham's argument is that they are definitely not part of the usual chorus of nationalist doom in Canada. If Ostry and Winham are calling the overwhelming percentage of Canada's trade with the United States not a cornucopia but a crisis, then it is clearly time to take notice.

Canadian-American relations are not merely under pressure from economics and politics. Recently there has been a spate of public opinion polls that seem to present evidence that Canadians and Americans are not growing together, but growing apart. Some commentators, particularly Toronto's Michael Adams, suggest that Canadians are

growing more European in their attitudes to life and Adams' data (for example on church attendance or participation) cannot be simply shrugged off. Certainly on the questions of the day, Canadians are closer to Europeans than to Americans. On the Iraq war, for example, 73 per cent of Canadians support their government's non-interventionist stand while a strong majority of Americans continues to approve the Bush administration's recent war.

All this forces the conclusion that former prime minister Brian Mulroney was right to claim that Canadian-American relations are at a low. But the scope of the problem and its ramifications in public opinion suggest that Mulroney was wrong to lay the blame for this situation at the feet of his arch-enemy Jean Chrétien, or even his Liberal party and government. There is something afoot that goes beyond partisan politics and that is forcing Canadians into considering or reconsidering, for the first time in several decades, the nature of their relations with the United States.

Is it possible that Canadians and Americans, for so long closer in attitudes and culture than

any other two nationalities, will continue to move in opposite and possibly contradictory directions? Or are we looking at a temporary blip in North America's political radar that will disappear when or if the Bush administration's hyper-nationalism subsides? Will the sheer weight of the Canadian-American relationship simply erase the temporary differences that are bound to occur between any two governments? None of these questions can as yet be answered. A few years ago, however, most Canadians would not have asked them.

Robert Bothwell is a professor of history and director of the international relations program at Trinity College.

COU Reaffirms Support for Intercollegiate Sport

By Joan Griffin

THE COUNCIL OF ONTARIO Universities (COU) reaffirmed its support for intercollegiate athletics in a recently released task force report.

The Report of the Task Force on Student Inter-University Athletics was commissioned by COU to help address concerns over the ability of Ontario universities to effectively compete at the national level as well as the perception that differing approaches to athletic scholarships may be a factor.

Canadian Interuniversity Sport (CIS) — the national body that regulates university sport in Canada — permits the awarding of scholarships linked to athletic ability alone. Ontario schools have long disagreed with this practice, preferring to offer academic-based athletic awards for continuing students. In fact, Ontario schools successfully lobbied to have a minimum GPA requirement added to the CIS regulations at the organization's annual general meeting June 12 to 15 in Canmore, Alta.

Despite the GPA requirement, there remains some concern over the wording of the regulations because they allow schools to give awards at the end of a

student's first year and again at the beginning of their second, providing they have achieved a minimum 65 per cent average. This "double-dip" is effectively an admission scholarship and not an award for a continuing student as outlined in the CIS regulations, said Liz Hoffman, assistant dean (programs) in the Faculty of Physical Education and Health and director of athletics at U of T. It is also one of the perceived disadvantages for Ontario universities and a contributing factor to COU's commissioning

of the task force.

"One of the real achievements of the task force report is its unequivocal support of athletics as an enriching part of the university experience," said Hoffman.

The report states, "Through athletic participation, student athletes are afforded experiences that complement our core academic activities exceptionally well. Excellence is strongly and unapologetically endorsed in all aspects of our universities, including intercollegiate athletics.

The change to strive for personal best accomplishments must not stop at the gymnasium, arena or on the sidelines of university playing fields."

Hoffman believes the report will continue to make the student-athlete experience possible. "It isn't simply about participating at an elite level; it is about learning and playing at an elite level, something that we at U of T do very well," she said.

Ontario teams won eight of 19 men's and women's national titles in 2003-2004.

Asset Mix Cuts Risk

A NEW ASSET MIX FOR THE main investments underlying U of T's endowment "essentially halves the risk" compared with the previous portfolio, reports Felix Chee, vice-president (business affairs).

"It will be a diversified portfolio," said Chee in a report presented to Business Board June 19.

Chee explained that the asset mix — approved by the board of the University of Toronto Asset Management Corporation — is now more like a balanced fund, with a makeup of approximately 50 per cent equities, 20 per cent bonds and 30 per cent alternate investments in private equity and real assets such as real estate and oil and gas. Previously the mix was approximately 80 per cent equities and 20 per cent bonds. In April Business Board approved changes to the university's investment policy, giving responsibility to UTAM for determining the new asset mix based on specified risk tolerance and return objectives.

The next step, expected by the end of August, will be to determine how to rebalance the existing portfolio to fit the new asset classes and to determine appropriate performance benchmarks for those classes, Chee said.

National Retiree Organization Created

By Jessica Whiteside

A U OF T CONTINGENT HAS PLAYED a key role in the formation of a new national organization for university and college retirees.

The College and University Retiree Associations of Canada (CURAC), made up of 23 founding retiree associations, aims to encourage retirees at all universities and colleges to work together to establish a more consistent and better standard of treatment, said University Professor Emeritus Peter Russell of political science, CURAC's inaugural president. Russell is one of four members of

the Retired Academics and Librarians of the University of Toronto (RALUT) elected to the first CURAC executive, along with John Dirks of Massey College and retired professors Germaine Warkentin of English and Ken Rea of economics.

Russell listed fair management of pension plans and improvement of medical benefits as among the biggest common issues of concern across the country along with the need for a stronger recognition of the role of college and university retirees in the areas of research, teaching and public service.

"There's tremendous variety across the country and retirees can learn from one another about what to shoot for and how to get it," he said, adding that while CURAC cannot be a bargaining agent itself, it will collect information about what's possible and reasonable to help those at the local level do better.

"We are attempting to develop more positive relationships with retirees of the University of Toronto and we would look forward to working with RALUT and with this new national group," said Professor Angela Hildyard, vice-president (human resources).

THE MANY FACES OF

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BARRIE MALLOCH, UTM SCIENCES ADMINISTRATION

On her first day of retirement, Barrie Malloch went for a walk in Marie Curtis park — a perfect beginning for the avid botanist's retirement plans which include swimming, hiking, working part-time, spending time with family and, of course, a lot of gardening. Malloch has been with U of T at Mississauga since 1981, retiring from her position as biology teaching technician last month. She remembers her first day at U of T very well. "Being Americans, we didn't know July 1 was a holiday. We showed up at the botany department and found only one professor there, who helped us find cheap housing in Yorkville," she says. "Then we went to Maple Leaf Gardens expecting to find a lovely botanical garden."

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PROFESSOR FRED WILSON, PHILOSOPHY

On his first day of retirement, philosophy professor Fred Wilson expects to be grading exams. In fact, he plans to pursue the same interests in retirement that have driven him for 38 years at U of T: research and teaching. "I still have lots of ideas to explore and I haven't lost my enthusiasm for teaching," says Wilson. He also plans to continue working with RALUT and UTFA on bringing in more flexible retirement options, including higher pay for retirees who choose to continue teaching. Wilson recalls his first day at U of T in the fall of 1965; he was surprised to find two paycheques waiting for him. "Unbeknownst to me, my employment had begun July 1 rather than Sept. 1, when I was to take up teaching duties," he says. "My salary of \$9,500 made me feel affluent indeed after surviving as a graduate student on \$2,500."

PROFESSOR RONALD MANZER, UTSC POLITICAL SCIENCE

Professor Ronald Manzer has two answers for people who ask about his retirement plans. The first, he says jokingly, is that he will finally sit down and learn to play his didgeridoo — a large Australian Aboriginal wind instrument. But he also plans to finish the projects left from his last research leave. One of the original faculty members at Scarborough, Manzer recalls a construction strike in the summer of 1965 that resulted in him teaching his first class of 15 political science students in the old biology building. Because he has taken time off for research over the years, Manzer says it may take a while for retirement to sink in. "It seems to me that it's going to be about a year from now when I realize this is not just a one-year research leave. I'm not coming back."

I

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PROFESSOR HANS KUNOV, ELECTRICAL AND COMPUTER ENGINEERING

Hans Kunov's first day of retirement may involve an argument. Kunov, who studies the acoustics of hearing and speech, came to U of T from Denmark 36 years ago as a post-doctoral student and stayed to become a professor. From the start, he was struck by the sense of openness and acceptance at U of T. But after over three busy decades of teaching and research, he says, "I've decided to shift gears." Kunov has asked for a smaller office, where he'll oversee a single research project and student, and he plans to travel, visit friends and family and do some sailing. On the first day of his retirement, however, he says he'll be "packing and discarding 36 years worth of papers and equipment. That which I can't discard or give away, I'll truck home to my basement. And then I'm going to be in trouble with my wife."

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Dr. George Voineskos, Psychiatry

W

Prof. A. Martin Wall, Psychology
Prof. Paul Wang, Biomaterials & Biomedical Engineering
Mr. Mark J. Ward, Materials Science & Engineering

SYLVIA BAILEY, OBSTETRICS AND GYNECOLOGY

Sylvia Bailey retires three months shy of her 25th anniversary at U of T. She came to the university by way of a doctor at Toronto General Hospital, who also happened to be a principal investigator at U of T. Bailey's first impression of her new environment was one that was "wonderfully relaxed. I was also impressed because this laboratory was like a mini-United Nations with staff from Singapore, China, the Philippines, Hong Kong, Africa and Canada." On the first day of her retirement, Bailey will likely tend to her garden. Her lifestyle will essentially stay the same but she says she will have more time for volunteer work, travelling and entertaining.

Mrs. Catherine G. Rice, Library Administration, UTM
Prof. Wendy L. Rolph, Office of the Dean, Faculty of Arts & Science
Prof. Richard Roman, Sociology

S

Prof. Christa Saas, Humanities Administration, UTM
Mr. Paul Sandori, Faculty of Architecture, Landscape & Design
Mr. Edward J. Schlauch, U of T Library
Dr. Gerald Schneiderman, Psychiatry
Mr. Franz Schuh, Biomedical Engineering
Prof. Adel S. Sedra, Electrical & Computer Engineering
Prof. David Shaw, English
Prof. Maria C. Shaw, Humanities, UTSC
Ms. Julia Shea, Faculty of Nursing
Prof. Robert W. Shirley, Social Sciences, UTSC
Mrs. Maria Silveira, Facilities & Services
Mrs. Ludmila Skrypka, Anatomy & Cell Biology
Dr. I.A. Jeremy Sloan, Anesthesia
Dr. Cynthia Smith, Anesthesia
Dr. Peter W.E. Smith, Electrical & Computer Engineering

Mr. Immo Weinrich, Admissions & Awards
Prof. Joel Weiss, Curriculum, Teaching & Learning, OISE/UT
Dr. Donna Welis, Faculty of Nursing
Mrs. Ellane Williams, Facilities & Services
Ms. Patricia A. Williams, Zoology
Prof. Fred Wilson, Philosophy
Ms. Judith Wilson, Environmental Studies
Dr. Alan Winnick, Faculty of Dentistry
Mrs. Shuk Bing Wong, Centre for the Study of Religion
Prof. Kaizhen Wu, Electrical & Computer Engineering
Mr. Weikang Wu, Facilities & Services
Ms. Barbara Wyatt, Occupational Therapy

Y

Mrs. Patricia Yakimov, V.W. Bladen Library, UTSC
Prof. Cecil B. Yip, Banting & Best Department of Medical Research
Mrs. Jacqueline Yuen, Chemistry

Z

Mr. Joseph Zammit, Facilities & Services
Mrs. Renata Zathureczky, Office of the Director Administration, UTSC
Ms. Maria T. Zenzes, Obstetrics & Gynecology



ty of Toronto this year. After 30 years at the university, Susan Johnston (seated, left) will be er pursuits; Frank Pindar (seated, right), retiring from the Faculty of Physical Education and ohn Munro (standing, left), who came to U of T in 1968, will spend the summer poring over al revolution before returning to teach economics on a contract basis; and Professor John sition at the University of Rochester.

Mrs. Maria Matos, Facilities & Services
Prof. Robert O. Matthews, Political Science
Prof. Derek McCammond, Office of the Vice-President & Provost
Mrs. Sandra McCaskill, Library Administration, UTM
Prof. Robert H. McNutt, Office of the Principal, UTM
Mrs. Kazimiera Michniecek, Facilities & Services
Mrs. Judy E. Mills, Engineering Library
Prof. Dieter Misgeld, Theory & Policy Studies

Prof. Linda J. Munk, Humanities Administration, UTM
Prof. John H. Munro, Economics
Dr. David Murray, Laboratory Medicine & Pathobiology
Ms. Gayle E. Murray, Office of the Vice-President (Human Resources)
Dr. John D. Murray, Pediatrics

N

Dr. Riazuddin Nizami, Pediatrics
Prof. Geoffrey Norris, Geology

PROFESSOR RUTH GALLOP, NURSING

After joining the Faculty of Nursing on contract in 1983, Ruth Gallop gained a tenure-track post in 1988 and later served as associate dean (research), enjoying the opportunity to help junior faculty advance their careers. "I hope I've made a small contribution to mental health nursing knowledge and made lasting friendships," she says of her experience at the university, which included a cross-appointment to psychiatry. She'll maintain her U of T connection in retirement by continuing to advise several doctoral students and will also continue to pursue research, writing and consulting commitments. "On my first day of retirement, I'll be with all my family at our cottage," she says. "We'll toast U of T and then I'll paddle off into the sunset."



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ON THE OTHER HAND Travel Advisory

BY NICHOLAS PASHLEY

I'VE STARTED USING THE LAWNMOWER more often than the snow shovel — though not by much — so I'm going out on a limb and calling it summer. We are now but a season away from the celebrated double cohort. I don't know about you, but I feel like a lower-middle-management Roman awaiting news of the Visigoths.

But there's no point making ourselves miserable just yet. It's summer after all. Jazz festivals, beer festivals, food festivals, endless road closures: it's all happening. And for many there is the allure of foreign travel. When I say "allure," of course, I'm speaking ironically. I mean, have you travelled lately? It was the Cunard steamship line that promised that getting there was half the fun. Getting there is now a fraction of the fun so small as to be detectable by only one or two of the senior mathematicians at the Fields Institute.

Mrs. On-the-Other-Hand and I recently flew to California. Nowadays you get your first taste of Homeland Security while standing timidly on Canadian soil. After a terse exchange of pleasantries, the American customs officer's first question to us was, "And where are you folks hoping to go today?" Hoping? Was he suggesting that Air Canada might go bust before we reached our departure gate? Did he know something about flight 757 that we didn't? Or was this a reference to his own hard-won reputation as a mean son-of-a-gun who is not about to be fooled by a gang of international terrorists posing as middle-aged tourists?

Somehow we got through, only to tackle airport security. I pretty much always set off the metal detectors. It was only when I was researching my book about beer that I discovered why. Beer is not just an excellent source of B vitamins and antioxidants; it also offers healthy doses of such useful minerals as zinc, copper and magnesium. Need I say more? In no time I'm removing my shoes, belt and watch along with all the other beer drinkers. It can be only a matter of time



before we're required to fly naked, though — as Dave Broadfoot has asked — where are we supposed to keep our boarding passes?

Assuming you make it through all of this and actually get to where you're hoping to get to, there's the matter of your hotel. Given that nobody's travelling these days because it's too scary, there are great bargains to be had, so Mrs. O-t-O-H booked us into a trendy Ian Schrager/Philippe Starck hotel in San Francisco that would normally be out of our price range. I've seen this sort of hotel before. Very dark. You stumble into the lobby, looking for anything that reflects light. If you're lucky you'll hear the check-in staff calling, "Over here!" and if they keep shouting you can follow their voices.

With luck you'll find your room and perhaps you'll find the light switch. You'll then discover that hip designer Philippe Starck didn't design any drawers for your room. I guess the sort of people who stay in these hotels don't put their soiled underwear in LCBO bags in a drawer the way most of us do. No, they throw them away and call room service for new underwear.

But here's my big theory about hotels. When you're in a strange city, you have no idea what the temperature is. You don't know if you need a jacket. You don't know if you need an umbrella. You need the Weather Channel. Pashley's first rule of travel is this: the more you pay for a hotel room the less likely you are to get the Weather Channel. This recent trip confirmed my theory: expensive hotels in San Francisco and Los Angeles, no Weather Channel; Holiday Inn Express, San Luis Obispo, Weather Channel. Try it yourself.

So bon voyage, if you must. And, if you're travelling to the U.S., try to avoid the customs guy at counter 16.

Nicholas Pashley buys, sells and reviews books for The U of T Bookstore

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CAZZYVATKAUSKAS

Cities vital for new businesses

Despite the proliferation of electronic communication, a company's physical location — especially in a city — is extremely important in attracting new businesses and supporting entrepreneurship in the new economy, say researchers.

"Over the last 10 years, people have suggested that advances in telecommunications and the Internet have made cities less relevant," said Professor William Strange, who teaches real estate and urban economics. "However, if you look at commerce in Toronto and elsewhere, companies still require close contact to do business with each other." Strange is the co-author of the paper *Geography, Industrial Organization and Agglomeration*, published in the May issue of *The Review of Economics and Statistics*.

Strange, along with Professor Stuart Rosenthal of Syracuse University, examined a database of 40,000 U.S. zip codes and cross-referenced them to new businesses. They were then able to determine the number of start-up companies established in industries such as software, machinery and fabricated metals over the past year. Using geographic information software, they determined why some locations attracted more new businesses than others.

New businesses are most strongly attracted to cities where similar companies are located within an eight-kilometre radius of each other. They are also attracted to locations with many smaller, related companies to which services can be outsourced. In addition, start-up companies gravitate towards cities that have a diverse range of businesses. "Cities are essential for Canada's prosperity so we need to make sure they remain a vital force in providing new business growth and innovation for this country," said Strange, RioCan Real Estate Investment Trust Professor of Real Estate and Urban Economics at the Rotman School of Management.

SUE TOYE

Researchers detect receptor for day-night cycles

It's been something of a mystery to scientists — how are blind mice able to synchronize their biological rhythms to day and night? New research by a team of scientists, including a researcher from U of T, seems to have uncovered the answer.

Rods and cones in the outer retina are the eyes' main photoreceptors, explained Professor Emeritus Nicholas Mrosovsky of zoology. When these rods and cones degenerate, mammals and animals become blind. Despite this, however, some animals can synchronize their biological clocks to the day-night cycle, a problem that has perplexed scientists for the past decade.

"We believed there must be some other specialized receptor for detecting night and day. We now have evidence that this long sought-after photoreceptor is a layer of cells, located in the inner retina, that contain melanopsin, a pigment chemically related to other opsins [a type of protein] found in the rods and cones of the outer retina."

In their study, the researchers deleted melanopsin from the inner retinal cells of transgenic mice. Mrosovsky found that melanopsin-free mice could not synchronize their biological rhythms to day-night cycles or react normally to light stimuli. This research may be applicable to humans who are blind but who have the melanopsin receptor. They may still be able to synchronize their biological rhythms, he said.

JANET WONG

Food programs little economic benefit for poor families

Governments have funded nutrition programs in part to address the problem of child hunger. However, U of T researchers say such nutrition programs have little ability on their own to relieve the underlying poverty that creates food insecurity in

children's home environments.

"Our study finds that if a family is struggling to put food on the table, then the small amount of money they might save by having their child participate in a nutrition program will do little to change the root problem of inadequate household income. That family will still struggle to put food on the table," said U of T medical student Nicholas Vozoris, lead author of a study with nutritional sciences professor Valerie Tarasuk in the latest issue of the *Canadian Review of Social Policy*.

The study found that the snacks or meals at initiatives such as school lunch programs represented only a small fraction of an individual's food needs and only five to nine per cent of a family's food costs during the school month. These contributions therefore have little potential to impact the larger problem of food insecurity in the household, Vozoris said.

To estimate the capacity of child nutrition programs to offset financial difficulties in households on welfare, the researchers calculated the programs' contribution to the food needs and costs of two hypothetical Toronto households. Estimated food needs and costs were based on the Ontario Nutritious Food Basket, a government measure of low-cost nutritious food. Household income met basic needs in the case of a single woman with two young children but fell well below estimated expenses for a two-parent, two-child family. In both cases, participation in the nutrition program contributed relatively little to the households' total food needs and ability to improve their overall food situation. An analysis of prenatal nutrition programs led to similar findings.

"More effective policy responses to household food insecurity that recognize the link between inadequate income and inadequate food are badly needed in Canada," said Tarasuk, noting that government investment in

nutrition programs has been trivial in comparison with welfare cuts in recent years. "This problem affects everyone who lacks the means to obtain sufficient food."

JESSICA WHITESIDE

Crystal structures light way to optical microchip

A new class of microscopic crystal structures developed at the University of Toronto is bringing high bandwidth optical microchips one step closer to efficient, large-scale fabrication. The structures, known as photonic band gap materials, could usher in an era of speedy computer and telecommunications networks that use light instead of electrons.

"This will be a tremendous breakthrough," said University Professor Sajeev John of physics and co-investigator of the study published in the June 7-13 issue of *Physical Review Letters*. "It's basically a whole new set of architectures for manufacturing nearly perfect photonic band gap materials and will provide an enormous increase in the available bandwidth for the optical microchip."

John and his team devised a photonic band gap blueprint made with nanometre-scale precision by bombarding it with X-rays. The X-rays pass through a gold "mask" with an array of holes, removing portions of a polymer template below. Glass is poured to fill in the holes and the remaining polymer burned away with heat. Silicon is then deposited throughout the void regions of the glass template and the glass finally removed with chemicals, leaving behind a pure silicon photonic band gap material.

The study was co-written with physics graduate student Ovidiu Toader and Professor Mona Berciu of physics at the University of British Columbia and funded by the Natural Sciences and Engineering Research Council of Canada.

NICOLLE WAHL

Project examines early Buddhist teachings

A U of T study examining the connection between Tibetan and Chinese Buddhism could point to the early traditional teachings of the Buddhist religion.

Professor Henry Shiu of the Centre for the Study of Religion has undertaken a three-year project studying the Buddhist scripture believed important in the spread of the religion from central Asia to Tibet. The *Dhyana* of Entering Into Non-Conceptuality (understanding things not as they seem but as they really are) was written in the 8th or 9th century in the Sino-Tibetan border region. It was considered the authentic source of the Buddha's teaching and led to two separate schools of

thought. Four translations (two Chinese, two Tibetan) have been found among historic Buddhist documents.

"This study is important to scholars because it tries to bring together Chinese and Tibetan Buddhism," Shiu said. "Traditionally in western studies these two disciplines have been treated as completely separate areas of research but I think it's important to see their common ground. I hope to show their many similarities and how these two schools have been interpreted differently throughout the ages."

MICHAEL RYNOR

Smoking ban has no impact on food, drink sales

Instituting smoke-free bylaws in public places like bars and restaurants has no impact on food and drink sales, according to researchers at U of T's Ontario Tobacco Research Unit.

"When the City of Ottawa implemented a 100 per cent smoke-free bylaw, without providing for separately ventilated designated smoking areas, strong opposition came from bar and restaurant owners saying that such a ban would severely impact their business," said Roberta Ferrence, director of the Ontario Tobacco Research Unit and a professor of public health sciences. "We decided to examine those claims to see if there was a link between a full smoking ban and sales at restaurants and bars. We found no evidence of such a link."

Ottawa implemented its non-smoking bylaw in all work and public places Aug. 1, 2001. Enforcement began in September, with the city achieving a 95 per cent compliance rate. Using data from the Ontario Ministry of Finance detailing provincial and GST taxable sales of licensed restaurants and bars and unlicensed restaurants, the researchers adjusted sales for inflation. They also controlled for the Sept. 11 attacks and other factors.

They found that relative to rising retail sales, bar and restaurant sales in Ottawa have remained relatively constant since early 2000. (The bylaw was instituted at a time when the ratios of restaurant and bar sales to retail sales were already in decline.)

"If the concerns expressed by hospitality owners were true, we would expect to see a downward shift," noted Ferrence, a senior scientist at the Centre for Addiction and Mental Health. "In fact, what we observed when we factored in this declining trend and seasonal variations, was no statistically significant impact on bar and restaurant sales."

JANET WONG

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Meadowvale and Ellesmere area. Detached bungalow for rent to a professional, 4-bedroom + 1, 4 pieces on main floor. 3 pieces in basement, 5 appliances, in-ground pool, CAC, close to UTSC. Availability after July 1, \$1,450/month, 416-857-8337, 416-282-0122.

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Forest Hill area. Spacious 3 + 1 bedrooms, 4 washrooms, including ensuite. Fully furnished, family room steps to subway, shops, excellent private/public schools and large fenced yard, two-car driveway with garage, rooftop deck, security system, A/C and hardwood floors throughout. Available minimum 9 months. From August 1. \$4,200 + utilities. 416-993-9269 or aileen_crowne@email.com

St. George. 2-bedroom, 2-storey apartment, courtyard setting, with major appliances, includes laundry. Short walk to shops, transit, campus. Suitable for graduate, professional. No smokers/pets. \$1,650 including utilities. Available now. Reference 416-665-0862.

Bloor/Dovercourt. September 1 to mid-December 2003 (flexible), newly renovated detached 3-storey house. 3 + bedrooms; plus third floor loft, open concept living/dining, hardwood floors, brand new eat-in kitchen with stainless appliances and sunroom, backyard, garage parking; central air and vac; laundry, minutes to Ossington subway (10 minutes to U of T). \$1,800 + utilities a month. (December prorated). Contact laura.nemchin@ene.gov.on.ca

Yonge & St. Clair First floor, furnished one-bedroom apartment in renovated duplex, with open living, kitchen, office area, deck and garden. 2 minutes walk to subway, shops and restaurants. Available September. \$1,700 month, includes: parking, cable, utilities. Call 416-322-0525 or e-mail wilsonips@hotmail.com

West Annex (Bathurst-Bloor) house, beautifully furnished, fully equipped, quiet street, 3-bedroom or 2 + study, living/dining/kitchen/sunroom, garden, piano, fireplace, laundry, 2 blocks to subway, stores, schools. U of T 15-minute walk. Permit parking. Year or longer preferable. \$2,000 plus utilities, plus house cleaning (if desired). 416-531-8557 maxineh@across-oceans.org

Highway 10 and Burnhamthorpe. Immaculate condo available August 1, 2003. Pool, sauna, hot tub, tennis court, billiards, squash, ping pong, party room. One free parking spot, locker. 10 minutes from campus. Month to month: \$1,600 or year lease: \$1,400. Asim: 416-456-4786.

Annex, Madison Avenue. Very special elegant top floor bachelor, hardwood floors/beams/high ceilings/laundry/use of garden, no smoke. Quiet allergy-friendly house, July 1, \$900 inclusive. Semi-furnished. Page 416-442-0808.

Central Metro area, Glenholme Avenue. Furnished home available. Beautiful, spacious, sunny family home. 3+ bedrooms, 3 full baths, den, study, all amenities. Deck, 2-car parking. Near TTC, shopping. Non-smokers, no pets please. References. Available July 1, flexible. \$2,200 a month inclusive. 416-652-3888 or richard.marshall@utoronto.ca

Roncesvalles Village. Chic, large 5-/6-bedroom house. Three floors, each floor with own full bath. CAC, 2 decks, laundry, close to U of T, TTC. Must see! \$3,200 plus utilities. 416-539-9628. E-mail: sarlatproperties@target-research.com

High Park. Beautifully renovated 3-bedroom plus sunroom, bright, open concept, hardwood floors, gas fireplace, ensuite

laundry, dishwasher, walkout to deck. Close to U of T, TTC, downtown. Must see. \$1,895 plus, 416-539-9628. E-mail: sarlatproperties@target-research.com

Brand new! 1-bedroom basement apartment. Be the first to rent. Roncesvalles Village. Private entrance, private laundry, beautiful exposed brick, new appliances. Clean! Bright! Come see. \$750 inclusive. 416-539-9628; sarlatproperties@target-research.com

High Park. Large 2-bedroom basement, bright, private entrance, private laundry, close to TTC and U of T, shopping. 416-539-9628. sarlatproperties@target-research.com

Yonge & Eglinton. Bright new condo, 2-bedrooms, 2 bathrooms. Eat-in kitchen, 4 appliances. Laundry. Spacious living area, balcony, parking, storage, gym/sauna. Steps to subway, shops and restaurants. Available September 1. \$2,000/month inclusive, 1-year lease. 416-484-3769. ann_marie_carroll@yahoo.com

Minutes to downtown and U of T. Beautiful, bright, spacious, newly renovated duplex with 2 floors, high ceilings, big rooms, large deck, near TTC. \$1,500/month. 416-537-7708.

July-August. Near Danforth & Broadview. Bedroom and office on 3rd floor of house on nice street. Partly furnished. Private bath, rooftop patio, laundry. Kitchen and LR shared with mature grad student. Close to subway and 24-hr grocery. \$600 inclusive. Andrew, 416-709-B012.

Dupont/Symington. Large 2-bedroom (2nd floor) with gorgeous private deck, hardwood, expansive living/dining area, office, 4 appliances. Direct bus to U of T (20 min.). \$1,350 + hydro. Private entrance, permit parking. Near stores, parks. August 1. Peter, 416-604-9146, petermurray@sympatico.ca

Charming Cabbagetown. Comfy furnished room, with large shared kitchen, bathroom, laundry, garden, TV cable. No parking but near TTC, shopping. \$650/month. Female, non-smoker, no pets, references. Available immediately. Phone Joan, 416-929-8714.

Yonge/Lawrence. Three-bedroom house, two full bathrooms; built-in bookshelves, working fireplace in living room, gumwood panelling in dining room, new kitchen, skylit family room, bright walk-up attic, sun-drenched perennial garden with shaded patio and secure storage shed; ductless air conditioning, laundry, central vacuum, parking, short walk to subway, schools, parks, shops, restaurants; pets accepted; no smoking. \$1,950/month plus utilities. Available mid-August. 416-481-6960.

Newly renovated open-concept bachelor apartment available immediately. Minutes walk to the main subway station, shopping, restaurants and 15-minute ride to U of T. Non-smoker and no pets please. Price: \$750/month, utilities, cable, with a private washer and dryer included. For viewing, please leave a message for Tony or Christina at 416-750-2066.

Grange conversion near AGO. 1-bedroom condo, ground floor. Available now. 6 appliances, controlled entrance, exercise facilities. \$1,300 a month includes utilities (less for long term). Suit professional. No pets, no smokers. 416-462-9930. 416-465-9930. 416-516-4077.

Avenue Road/Bloor. Fully furnished bachelor apartment with separate eat-in kitchen in quiet home. Separate front entrance. Suits one. References. No smoking/pets. \$900/month. Available. 416-972-0743.

Condo unit for rent. 1-bedroom + den, approx. 700 sq. ft. Yonge & Bloor, monthly rental \$1,400. One-year minimum, car park, new track lighting, freshly painted.

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Call Alice, 416-821-2885 for showing.

Charming, two-bedroom, fully furnished cottage in quiet street. One of Toronto's best locations near campus. Lease negotiable up to 12 months maximum. \$2,400 including all utilities. Phone: 416-978-3255 or e-mail sandra.ram@utoronto.ca

Avenue & Davenport area. Spacious, bright one-bedroom apartment, located on a quiet street. 10-minute walk to Dupont & Summerhill subway stations. High ceilings, lots of windows, glass doors facing private patio leading to backyard. Over-sized bathtub with Jacuzzi, dishwasher, gas stove, washer/dryer, A/C. Shared backyard and BBQ. Parking available. Immediately. \$1,250 all inclusive. Non-smokers preferred. For further information, please contact Jaye 416-787-6577 or jaye.k@sympatico.ca

Annex, Lowther. Furnished 2-bedroom steps from U of T. Beautifully appointed suite with king-sized mahogany bed, inlaid table, slate countertops and gracious fireplace. Unit, furniture, linen, etc. is all brand-new and ready for use. A memorable home to make your home. \$2,150 416-839-9943.

Annex, Yorkville. Lowther Avenue. 5 spectacular one-bedroom units steps from U of T, the cafés of Yorkville and the Annex, as well as the TTC. Elegant Victorian units with fireplaces, mouldings and gardens. Superb loft units with soaring ceilings and gleaming floors. Apartments for lovers of good design. Parking, A/C, 5 appliances, etc. with each unique unit. \$1,675 to \$2,000. 416-839-9943.

Annex, Lowther. Three phenomenal brand-new renovations 1- and 2-bedrooms like exist nowhere else, curved windows, intricately mosaiced palatial bathrooms, soaring ceilings, Jacuzzis, fireplaces. Live in beauty for \$2,600 to \$3,300. 416-839-9943.

High Park/Bloor subway. Responsible non-smoker female preferred to share large west-facing two-bedroom apartment with one person. 5-minute walk to subway. Laundry room, outdoor pool in summer, community/rec. complex (with indoor pool) across the street. \$550/month includes utilities, parking extra. 416-766-6025.

Beautiful home walking distance to hospitals/university. 2-bedroom, family room/fireplace, lower level office, security system, enclosed parking. \$2,500 inclusive. Available September 1, 2003 for one year. Non-smoker, no pets. Please e-mail: djc@eastlink.ca

Available September and October 2003. Comfortable 3-bedroom Annex home. Quiet, friendly street close to subway, shops, university, downtown. Private garden, parking, roof deck, sunlit attic workspace. Use of car possible. \$2,500/month. Contact ammc@sympatico.ca

Spacious basement apartment near Avenue Road/Chaplin Crescent. 2 bedrooms, modern bathroom and kitchen, appliances, patio, laundry, parking, \$1,000/month. 416-483-6725.

Beautiful sunny room in very good area. Everything inclusive, only for responsible non-smoking(!) person please. Call 416-241-6266 or 416-566-1008.

Churchill Meadows-Mississauga. Brand new 2,040 sq. ft. 4-bedroom detached house in Mississauga's west end. Minutes from Hwys. 401, 403, 407 and QEW. Driveway, 2-car garage, A/C, fireplace, 4 appliances. Non-smoking, no pets, \$1,950 month plus utilities. Available August 1. 416-451-6441. cboscari@utm.utoronto.ca

Yonge & Finch subway. New 2-bedroom condo, 800 sq. ft. one bathroom, large sitting room and eat-in kitchen, parking, 24-hr security. \$1,550 inclusive.

416-298-78BB or 416-27B-6020.

Outstanding downtown condo. Quiet, tastefully painted apartment in a beautifully landscaped low-rise building with pool, sauna, gym, etc. 1-bedroom with floor-to-ceiling, wall-to-wall windows, small office, large washroom with bathtub, dishwasher in modern kitchen, ensuite laundry. Indoor parking and utilities included, \$1,500 per month. Area: Homewood & Carlton (3 blocks east of Yonge and College). Available July or August. Interested? stenenbaum@oise.utoronto.ca

Charming architect's house for rent. 2 + small 3rd bedroom. Gardens, patio, hardwood floors, laundry, dishwasher, parking negotiable. Minutes from campus and subway. \$1,800/month + available August 1. 416-534-7477.

Annex: Brunswick and Harbord. Large 1-bedroom, with hardwood floors, garden, laundry facilities, in Victorian house on tree-lined street. \$1,250 plus hydro. 416-961-2766.

St. Clair & Dufferin. Detached 2-storey, 3-bedroom, 4 appliances, A/C, hardwood floor, modern kitchen, private drive + basement apartment with separate entry. Available immediately. \$2,000 + utilities. 416-486-B356.

Annex. Bright beautiful designer-built basement apartment. Large windows, glass blocks, custom kitchen, Italian tiles, separate entrance. Near park, U of T. Suit quiet non-smoker. References required. No pets. \$900 + hydro. 416-972-6477.

Front/Church. Historical St. Lawrence Market neighbourhood. Near subway to campus. Furnished/unfurnished. Luxury split-level 2-bedroom, 2½ bathrooms. Architect-owned. Upgraded and renovated throughout. Eat-in windowed kitchen. Marble bath. Parking. \$2,300/month +. No smoking/pets. 416-364-5639; architours@hotmail.com

St. Clair West/Regal Heights. Charming and spacious 2+ bedroom, renovated, formal dining room, hardwood floors, marble 4-piece bath, large porch and garden, laundry, quiet residential street, steps to TTC, short or long term, furnished or unfurnished. \$1,250 + hydro, 416-653-B478.

St Clair West/Regal Heights. Exclusively designed luxury basement bachelor, very bright and spacious, hardwood floor, marble 4-piece bath, built-in wall units, laundry, backyard and garden, quiet residential street, laundry, steps to TTC, \$750 inclusive, may be furnished 416-653-8478.

Annex Madison. 3 blocks to campus, gorgeous 1-bedroom, skylights, big windows, hardwood, dishwasher, A/C, can furnish, short term, negotiable. \$1,350 + utilities. 416-978-7128.

Harbord & Shaw. Second and third floor of air-conditioned home. 3rd floor: master bedroom, bathroom, skylight and rear deck. 2nd floor: two rooms, kitchen, bathroom and front balcony. \$1,500, parking and utilities included. 416-535-9326. Available August 1.

Admiral Road. Cozy, self-contained studio apartment with large kitchen, private entrance, 5 appliances, quiet street, 10-minute walk to Bloor and St. George. \$925 per month + hydro. Parking available for \$70/month. Available September 5. 416-923-6641, ext. 2614 or 905-822-4015.

Bay/Bloor (1055 Bay). Upscale Polo 1 condo, spacious 1-bedroom + solarium (as 2nd bedroom), parking, locker, picturesque SW view, walk to campus, five appliances, 24-hour concierge, super facilities. September 1. No smoking/pets. \$1,495/month. 905-780-1670 (6 to 9 p.m.).

The Annex, Huron + Prince Arthur.

Upscale bedroom + den furnished condo. Ideal for visiting faculty. 24-hr security, cable TV, half block to subway. No smoking/pets. \$2,000/month. September 2003 to June 2004. ktjrjs@sbcglobal.net or 416-929-6358.

Queen and Pape. One-bedroom basement apartment, furnished, private entrance, security system, laundry, air. \$675 per month plus utilities. No smokers, no pets. Available September 1. Evenings, 416-466-7509.

Bachelor condo. 720 Spadina just south of Bloor. Balcony (beautiful view), 2 closets (1 large walk-in), outdoor pool, sauna. \$850 inclusive. Parking extra \$100/month. 416-558-1977.

New townhome: King & Sudbury St. (King West Village). Furnished, 2-bedroom, parking, roof patio, laundry, dishwasher. Streetcar at doorstep, minutes to downtown. \$1,500 July or August 1. Kelly 416-977-0313.

Beautiful corner 3-bedroom townhouse steps to bus stop. Very close to campus. Bright open concept, fully upgraded. Appliances, laundry. 3 washrooms, 2-car parking garage. Tenants responsible for utilities. First/last required. Immediate occupancy. Mr. Shaikh, 416-740-8603.

Annex. Nice 3-bedroom semi-detached in great family neighborhood, minutes to St. George campus. Hardwood floors, fireplace, garden with deck and patio, 5 appliances. \$2,300 a month plus utilities. Available August 1. Phone 416-535-4649, e-mail dillabough@oise.utoronto.ca

S-minute walk to St. George & College. 2-bedroom in a Victorian house. One-year lease. July. Call Randy or Grace, 416-595-0026.

Dundas and Roncesvalles. 1-bedroom flat on third floor in private quiet house. SW balcony, street parking, A/C, carpeted, 30 minutes to U of T. Suitable for one, non-smoker, furnished or unfurnished. \$800/month includes utilities. Phone 416-534-0764.

Cabbagetown Victorian. Charming newly renovated one-bedroom, fully equipped, designer furnished, original brick walls, separate entrance. Includes security system, phone cable TV, hydro heating, A/C, laundry, cleaning 1/month. No pets, non-smoker. \$1,500. August 1. Call 416-925-6562.

Erindale (UTM) Campus. Two rooms (incl. 1 basement bachelor) in large, bright quiet house at QEW/Southdown. On a park. Parking. Laundry. Available now. 905-823-2929.

Sunny furnished home in lower Riverdale suits couple. Airy master bedroom with private deck, office overlooks garden. Open-plan main-floor kitchen, dining, sitting, with skylight, deck. Lower-level living room with fireplace and patio. A/C, Jacuzzi, seven appliances, all kitchenware, etc. August 3-15 for one year. \$1,525 plus heat/electric. r.j.c@sympatico.ca

Bloor and Spadina, on Willcocks Street. Steps to U of T, furnished 2-bedroom upper flat, 2 porches, all utilities included, \$1,550 per month. jorgen_ostlund@hotmail.com or B5B-488-7722.

Annex-Brunswick. Large 1-bedroom, open concept, quiet, 2 levels, fireplace, hardwood, exposed brick, deck, solarium, laundry. \$1,900 inclusive August 1. 416-923-2319.

Coach house at Bloor and St. George for long-term lease or sale. Furnishings included, 750 sq. ft., loft with 18' ceiling, air conditioning, gas fireplace, pine floors, skylights. Suitable for single professional or couple, available immediately. 416-399-7004.

Luxury spacious fully furnished 2-bedroom condo overlooking High Park, Lake Ontario and the city. Indoor parking, all appliances, etc. 1 minute from High Park subway. Ideal for professional couple. Available September 1 to June, \$2,200/month. 416-767-7717.

St. Clair/Christie. Absolutely the most gorgeous renovated & private 1-bedroom basement. In very quiet non-smoking home. Parking. New kitchen, 4-piece bath, pot lights, high windows, laundry. Steps to shops, parks & 24-hour TTC. \$850. 416-658-5051.

Annex. 15-minute walk to U of T. Basement three-room apartment. Clean kitchen/bathroom. Separate entrance. For clean, quiet mature non-smokers. No pets. Close to shops, TTC, U of T. Available September 1 for one year. \$1,100 a month. References. 416-921-6176.

Bathurst and Davenport. Furnished 1-bedroom apartment on main floor of house. Large bright kitchen, walkout to deck and yard, shared laundry. September to May. \$1,500/month. 416-964-1622.

Yonge & Bloor condo. \$1,945/month. Newer building at Yonge & Bloor. South facing. Open-concept living room/dining room. 2 bedrooms. 2 balconies. Parking & locker. Cailey Heaps Estrin, Royal LePage R.E. Svs. Ltd. 416-424-4900.

Large 1-bedroom basement apartment near Queen & Spadina. Approx. 600 sq. ft. Air-conditioned. Laundry facilities. Full bathroom. Cable TV. Separate entrance. Weekly houseclean. Furnished or non. \$900 utilities included. Contact Grace Buie, 416-595-0026.

College & Spadina. Beautiful spacious live/work loft (1,350 sq. ft.), oak floors, 10' ceilings, skylights, fireplace, central A/C, sundeck, intercom security. \$1,995. 598-2811, ext. 26.

Yonge & Eglinton. Large \$950; small \$650 a month. Semi-furnished bedrooms. Laundry. TTC 15 minutes to U of T. Available now. 416-488-022B.

Annex, Palmerston. Bright basement apartment in spotless home. Open concept, living/dining/kitchen, 3-piece bath, stove, fridge, adjacent laundry and utilities included. August 1. \$675. 416-424-2042.

Bay/Wellesley. 2-bedroom, 2-bathroom luxury condominium. Floor-to-ceiling windows. Parking, locker, ensuite laundry. 5 appliances, cable TV, 24-hour grocery store. 5-minute walk to U of T, 1 minute to subway. \$2,100/month. Zak, 416-963-8472, zak.kling@sympatico.ca

Shared

July 1. Share bright spacious Victorian renovated duplex-cum-townhouse with English cottage garden 5 minutes by TTC, 30-minute walking distance from U of T. Leave a message for Kaye at 416-531-1545.

South Riverdale. Ideal home for visiting professor or student. Renovated Victorian house on a tree-lined quiet street. 15 minutes from U of T. Hardwood floors, cook's kitchen, laundry, A/C, garden patio & parking. Share with non-smoking professional female. \$550 + utilities. 416-462-1622 or ldillon@ca.ibm.com

Yonge & Eglinton. 2-bedroom furnished apartment, share with working female professional/grad student. Pool, sauna, gym, subway, cable, Internet. Quiet, serious, non-smoker, no pets. Own room, share kitchen, bathroom. Immediately. \$600 inclusive. 416-836-2705.

Avenue & Bloor. 2-bedroom, 2-bath, 1-cat apartment to share for rent. Student, faculty, staff. Furnished. \$800 inclusive. August 1, 2003. Anna: 416-560-9765.

Vacation/Leisure

Private 2-bedroom cottage with loft on quiet lake in Prince Edward County. Two hours from Toronto, minutes from Sandbanks. \$750 per week. Please contact 416-944-2656 or bard@cuic.ca

Out of Town

Out-of-town. Splendid 3-bedroom, 2-baths furnished country home on 100-acre horse farm 1 hour north of Toronto. Very private, spectacular view, hiking trails. 10 minutes from GO station with daily trains to/from Union Station. \$2,000 a month includes utilities. Contact: sfine@oise.utoronto.ca or 905-775-2694.

Overseas

Provence, south of France. Furnished three-bedroom house, picturesque Puylobrier, 20 km from Aix. Available from October 2003. From \$1,200/month inclusive. Contact Beth at 416-588-25B0, b.savan@utoronto.ca Web site: www.geocities.com/bsavan

Properties for Sale

St. Clair/Bathurst. Bright, spacious apartment in quiet low-rise 1920s home of Ernest Hemingway: 2 bedrooms, large sunroom overlooking ravine, balcony, ensuite laundry, parking. Proximity to U of T and subway. \$225,000. 416-656-4045.

Yonge & Bloor condo. \$249,000. Newer building at Yonge & Bloor. South facing. Open concept living room/dining room. 2 bedrooms. 2 balconies. Parking & locker. Why pay rent? Cailey Heaps Estrin, Royal LePage R.E. Svs. Ltd. 416-424-4900.

Bed & Breakfast

\$27/\$36/\$50 per night single/double/apartment, Annex, 600 metres to Robarts, 14-night minimum, free private phone line, voice mail, VCR. No breakfast but share new kitchen, free laundry, free cable Internet. Sorry, no smoking or pets. Quiet and civilized, run by academic couple. <http://www.BAndNoB.com> or 73231.16@compuserve.com

Annex Guesthouse. Walk to Robarts Library. Mid-week single special \$50 per night, three-night minimum stay. Private suite from \$85 per night. 416-588-0560; e-mail annexguesthouse@canada.com or visit us at annexguesthouse.com

Bright, on St. George — two single rooms in newly renovated basement, 10 minutes to campus. Private entrance. No breakfast, but access to fridge, microwave, laundry, cable, patio. Share toilet and shower \$150 per week inclusive. 416-927-0678.

HEALTH SERVICES

REGISTERED MASSAGE THERAPY. For relief of muscle tension, chronic pains and stress. Treatments are part of your extended health care plan. 170 St. George Street (at Bloor). For appointment call Mindy Hsu, B.A., R.M.T. 416-944-1312.

PERSONAL COUNSELLING in a caring, confidential environment. U of T extended health benefits provide excellent coverage. Evening appointments available. Dr. Ellen Greenberg, Registered Psychologist, Medical Arts Building, 170 St. George Street. 416-944-3799.

DR. DVORA TRACHTENBERG & DR. GINA FISHER, PSYCHOLOGISTS. Individual/couple/marital psychotherapy. Help for depression/anxiety/loss/stress; work/family/relationships/communication problems; sexual orientation/women's issues. U of T health benefits apply. Medical Arts Building (St. George and

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Bloor). 416-961-8962.

PSYCHOANALYTIC PSYCHOTHERAPY with a registered psychologist. Dr. June Higgins, Medical Arts Building, 170 St. George Street (Bloor and St. George). 416-928-3640.

Psychologist providing individual and couple therapy. Work stress, anxiety, depression, personal and relationship concerns. U of T health plan covers cost. Dr. Sarah Maddocks, Registered Psychologist, 114 Maitland Street Wellesley & Jarvis). 416-972-1935, ext. 3321.

Dr. Neil Pilkington (Psychologist). Assessment and individual, couples and group cognitive-behaviour therapy for: anxiety/phobias, depression/low self-esteem, stress and anger management, couples issues and sexual identity/orientation concerns. Staff/faculty health care benefits provide full coverage. Morning, afternoon and evening appointments. Downtown/TTC. 416-977-5666. E-mail Dr.Neil.Pilkington@primus.ca

Psychotherapy for personal and relationship issues. Individual, group and couple therapy. U of T extended health plan provides coverage. For a consultation call Dr. Heather A. White, Psychologist, 416-535-9432, 140 Albany Avenue (Bathurst/Bloor).

Evelyn Sommers, Ph.D., Psychologist, provides psychotherapy and counselling for individuals and couples from age 17. Covered under U of T benefits. Yonge and

Bloor. 416-413-1098 or e-mail for information package, eks@passport.ca

Dr. Carol Musselman, Registered Psychologist. Psychotherapy for depression, anxiety, trauma and other mental health needs, relationship problems, issues related to gender, sexual orientation, disability. Day and evening appointments. Covered by extended health plans. 489 College Street, Suite 206. 416-568-1100, cmusselman@oise.utoronto.ca

Full range of psychological services offered by Dr. K.P. Simmons. Call 416-920-5303 if troubled by trauma, anxiety, depression, phobia or relationship issues. Location: 170 St. George Street, Suite 409 — Medical Arts Building.

Individual psychotherapy for adults. Evening hours available. Extended benefits coverage for U of T staff. Dr. Paula Gardner, Registered Psychologist, 114 Maitland Street (Wellesley and Jarvis). 416-469-6317.

Dr. Cindy Wahler, Registered Psychologist. Yonge/St. Clair area. Individual and couple psychotherapy. Depression, relationship difficulties, women's issues, health issues, self-esteem. U of T extended health care plan covers psychological services. 416-961-0899. cwahler@sympatico.ca

MASSAGE THERAPY at PacificWellness.ca (80 Bloor St. W., #1100, at Bay). Professional elegant facilities. Female/male

registered therapists (RMTs). Direct insurance billing available for U of T staff. 416-929-6958.

ALTERNATIVE MEDICINE SERVICES. Acupuncture, shiatsu, Swedish massage, reflexology, nutrition consultation, hypnotherapy. 80 Bloor Street West, Suite 1100. Tel: 416-929-6958 www.pacificwellness.ca

Psychoanalysis & psychoanalytic psychotherapy for adolescents, adults, couples. U of T extended health benefits provide coverage. Dr. Klaus Wiedermann, Registered Psychologist, 176 St. George St., Tel: 416-962-6671.

Individual family therapist. Siegi A. Shuler, MSW, RSW. Specializing in men issues; men recovering from childhood sexual, physical, emotional abuse, addictions, father-son conflict, esteem & other psychological problems. Covered by some extended health care plans. 416-362-7472 (Yonge & Eglinton).

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NEWLY RENOVATED PROFESSIONAL OFFICE building for rent, approx. 3,000

sq. ft., air-conditioned, parking, professional area, close to East General Hospital, subway, on the Danforth. For more information call Mike, 416-759-7572 (after 6 p.m.) or 416-486-3778 (to leave a message).

FEMALE DON NEEDED. Mature, responsible, some maintenance skills. Live-in, oversee chores, moves, enforce house rules (no alcohol/smoking). Start: September 2003, \$75/month + free furnished bedroom in luxurious furnished house. E-mail resumé: baysmithproperties@hotmail.com

History students, faculty ... free! 35 years of *History Today*, top-rated British

monthly. 360 copies 1968-2003. One set only available. Phone Cliff Williams, 905-460-9779. History is never out of date.

Cap and gown of the University of Toronto (Phd). Crimson inserts and tassel. Hemline will fit 5'10 to 6' and may be altered. Call 705-382-3956. \$200 firm.

Nanny available. Grange Park area. "Nanny share" with 5-year-old boy. Educational activity, sports & free play. Large playroom. Flexible hours. Competitive rate. Professional household. Relaxed environment. Contact Trish Bush, 416-508-6153; trish_bush@hotmail.com

A classified ad costs \$18.50 for up to 35 words and \$.50 for each additional word (maximum 70). Your phone number counts as one word, but the components of your address will each be counted as a word, e-mail addresses count as two words.

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EVENTS

EXHIBITIONS

ROBERTS LIBRARY

A Matter of Style:

Interior Ornamentation
by McCormack & Carroll.

To AUGUST 15

More than 40 works and archival materials collected by William McCormack and John Carroll throughout their careers as woodcarvers and interior artisans; presented by museum studies graduating class of 2003. Hours: Monday to Thursday, 9 a.m. to 9 p.m.; Friday and Saturday, 9 a.m. to 5 p.m.; Sunday 1 to 5 p.m.

FACULTY OF ARCHITECTURE, LANDSCAPE & DESIGN

The Edge of Town.

To AUGUST 16

Geoffrey James presents new work investigating the exurban spaces of Canadian cities. Eric Arthur Gallery. Gallery hours: Monday to Friday, 9 a.m. to 5 p.m.; Saturday, Noon to 5 p.m.



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To APRIL 9, 2004

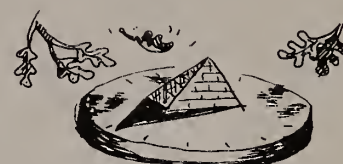
Exhibition exams the various ways in which members of the Group of Seven were connected to the University of Toronto and how their paintings came to be in the university's collection; curated by fine art students, supervised by Niamh O'Laoghaire, director of the centre. Hours: Tuesday to Friday, noon to 5 p.m..

MISCELLANY

Historical Walking Tours.

To AUGUST 29

Walking tours of the historic St. George campus. Nona Macdonald Visitors Centre. Monday to Friday, 10:30 a.m., 1 and 2:30 p.m. Information: 416-978-5000.



DEADLINES

Please note that information for the Events listing must be received at The Bulletin offices, 21 King's College Circle, by the following times:

Issue of July 28 for events taking place July 28 to Aug. 25: **MONDAY, JULY 14**

For information regarding the Events section please contact Ailsa Ferguson at 416-978-6981; ailsa.ferguson@utoronto.ca

COMMITTEES

The Bulletin regularly publishes the terms of reference and membership of committees. The deadline for submissions is Monday, two weeks prior to publication.

SEARCH

DEAN, FACULTY OF ARCHITECTURE, LANDSCAPE & DESIGN

In accordance with Section 60 of the Policy on Appointment of Academic Administrators (Perron Rules), President Robert Birgeneau has established a committee to recommend the appointment of a dean of the Faculty of Architecture, Landscape & Design. Professor Larry Richards will complete his term as dean June 30; although eligible for reappointment, he has decided not to continue for a second term but to return to his research and teaching. Members are: Provost Shirley Neuman (chair); Professors Ted Kesik, Robert Levit, An

Te Liu, Mary Lou Lobsinger and Brigitte Shim, Faculty of Architecture, Landscape & Design; Michael Marrus, School of Graduate Studies; and Marc Gotlieb, Faculty of Arts & Science; and Bruce Kuwabara, alumnus, Faculty of Architecture, Landscape & Design; Anastasia Meletopoulos, Faculty of Architecture, Landscape & Design; and Kirsten Thomson and Melissa Cate Christ, master's students, Faculty of Architecture, Landscape & Design.

The committee welcomes comments and nominations from interested persons. These should be sent to Lesley Lewis, assistant provost and special assistant to the provost, by Sept. 12 at Room 225, Simcoe Hall; fax, 416-978-3939; e-mail, lesley.lewis@utoronto.ca.



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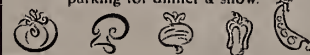
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Bulletin Summer Schedule

THE SUMMER ISSUES OF THE Bulletin will be published on July 28 and Aug. 25. The deadline for receipt of events listings and booking of display ads for the July issue is July 14. Editorial material and classified ads should be in The Bulletin offices at 21 King's College Circle by July 18. The deadlines for the August issue are Aug. 11 and 15.

FORUM

PROFOUND SIMPLICITY

A vision for Canada

BY CARL SHULMAN

SINCE CONFEDERATION, CANADA HAS enjoyed remarkable advantages: bounteous natural resources, a diverse and talented population and freedom from invasion. Few nations on earth enjoy such blessings, but they are not a sufficient condition for prosperity. A country needs something more to unleash its potential: a sound framework of laws and institutions that foster entrepreneurship and innovation rather than hindering them.

My vision of that framework is a structure of profound simplicity. It has three aspects: a safe and level playing field for firms of every kind; government that pursues its ends using the method causing the least economic disruption; and the destruction of any artificial barriers to prosperity and trade. Given this rich soil, I am confident a new Canadian vitality can take root and grow.

Bringing security to financial markets: Investors today are more demanding than ever: burned by accounting scandals, capital controls and other difficulties, they require new levels of reliability and care to attract critical capital investments for Canadian growth. To satisfy investors and attract the capital investments to develop new and more competitive technologies, Canada must take two main steps. First, the incompatible standards of the numerous provincial securities regulators must be made consistent with one another through the establishment of a single federal standard. Second, these standards must include increased demands on corporate financial reporting for public companies, backed with strong and enforced criminal penalties for wilful breaches by senior management.

Rewarding competitiveness, not picking losers: Canadian industrial policy has a long tradition of attempting to "pick winners" with firm-specific subsidies. For instance, the Technology Partnerships Canada program has given out over \$2 billion in loans to various companies, of which less than 10 per cent have been repaid. Unlike social welfare, corporate welfare is invariably undeserved. A company whose operations cannot turn a profit without a subsidy is not making use of resources efficiently. Propping up such a company with the taxes of more efficient competitors is subsidizing and encouraging lower Canadian productivity and competitiveness.

I would end all such programs and use the amount saved to lower corporate income taxes. This would force formerly subsidized firms to modernize and adapt, while allowing innovative and profitable operations to expand with their retained earnings rather than handouts. It would also eliminate the administrative costs and corruption associated with corporate welfare programs. A similar approach was implemented with great success in Ireland, which has moved from 50 per cent of Canada's per capita income to 110 per cent over the last two decades.

Free trade starts at home: Protectionism and trade barriers are clearly a threat to the Canadian economy. Industries from softwood lumber to steel to the movie business have all come under assault from protectionist forces in the United States. But while first ministers decry each U.S. tariff, they continue to maintain interprovincial trade barriers against fellow Canadians. The Agreement on Internal Trade of 1995 was intended to remedy this, but it has failed in several important areas.

I would take immediate action to ensure national recognition of professional qualifications. Accountants, physicians, engineers and other professions should be able to move to the locations where they are needed most without restriction, lowering costs and ameliorating provincial shortages. Free movement of agricultural goods and other regulated products will be guaranteed. Lastly, I would ensure that provisions allowing firms from any province to bid for (some) government contracts are stringently applied and extended to all areas, helping to further curtail government waste.

Beyond NAFTA: Canada's economic destiny is deeply intertwined with that of the United States, which absorbs 85 per cent of our exports and provides 66 per cent of our imports. Much of that trade depends on free travel across the border for just-in-time deliveries and maximum efficiency, travel that is now endangered by new American security arrangements. As well, trade disputes have been significant problems for our economy. Relations with the United States are absolutely essential to Canada's continued growth and development, and a more open trade environment will allow our strongest industries to reap full profits in the American market while pressure from American competition will help force our less competitive ones to improve and adapt.

I would build upon the existing framework of NAFTA to attempt to establish a true North American Economic Community, modelled after the European Community (though without the political aspects of the EU). This community would set a common trade policy,



LEON ZERNITSKY

precluding the abuse of anti-dumping statutes (which have become an excuse for blatant protectionism), constitute a customs union and perhaps eventually develop a common currency. Canada brings a number of bargaining chips to the table in negotiations for this union, e.g., its substantial energy resources, but the most important will be a harmonization of security policies. If Canada is seen as a haven or entry point for terrorists our economy may be a casualty of the war on terror. Conversely, the promise of improved safety from that threat may be precisely the carrot to entice America to institutionalize the interests of its weaker neighbour. Such an institutional structure, insulating us from the ups and downs of American congressional politics, is the only foreseeable route to secure access to the United States.

Rationalizing regulation: In ancient Iceland, the people would gather together in an assembly, the Althing, once each year to hear their corpus of law recited from memory by a professional lawspeaker. If a law was forgotten during the hours-long proclamation and no Icelander objected then it lost its force, limiting the number of rules that could be pronounced before the speaker dropped from exhaustion. Thus, only rules that concerned the people and advanced the public good could remain "on the books." But in Canada a lawspeaker would be

unable to finish the task before the next year's Althing!

These 40,000-plus pages of federal regulations include useful measures that protect the public but also numerous inanities that complicate and hamper business without achieving any proportional good. I would take two measures to combat excessive regulation. First, all business regulation would include a five-year review clause, ensuring that absurd measures (such as federal restrictions on the type of toilets used by government contractors) do not remain by simple inertia. To ensure that such rules are in fact pared down, a commission with the sole mandate of reducing unproductive regulation would be empowered to set reduction targets for each ministry. Bureaucrats would then be rewarded for success in meeting these goals, helping to counter the ordinary bureaucratic incentives to expand one's political demesne without limit.

Efficient taxation: productivity not paperwork: Some level of taxation is essential to Canada's prosperity and success. While we should definitely strive to reduce our tax burden, I believe that our optimum level is somewhat higher than that of our southern neighbours, primarily due to health care. Despite the well-publicized woes of our system, it remains more efficient than that of our southern neighbours. Nine per cent of Canada's GDP goes into health care in comparison to 14 per cent for America, but Canadians enjoy wider coverage and longer lives. These efficiencies make Canada more competitive and attractive to businesses, which do not need to provide company medical insurance plans, as well as increasing the total wealth of the nation. Nevertheless, any given tax burden can be collected in a more or less efficient manner and I would strive to reduce the energies wasted on dealing with the tax system by eliminating taxes that impose excessive dead-weight costs.

Two types of taxes create a particularly significant burden: payroll taxes (Employment Insurance, Canada Pension Plan) and the GST. Tracking and remitting GST adds an unnecessary transaction cost, impeding businesses, especially small and family firms. Payroll taxes are an even more substantial waste of resources on non-productive labour. Moreover, since they flow directly into general revenues, the idea of a "lockbox" is an illusion. I would eliminate these taxes, making the change revenue-neutral by shifting their value to the income tax. This will have several additional benefits besides reducing start-up and accounting costs for business. The GST is a regressive tax, more powerfully affecting those with lower incomes who spend a greater percentage of their wealth on GST-subject goods and its elimination will be of particular value to those individuals. Eliminating payroll taxes will also remove a significant fixed cost associated with employees, making it easier for firms to hire more workers. As over 80 per cent of payroll taxes are passed on to employees, they should see an immediate improvement in their status.

Seizing the future: The improvements I have adduced would involve significant amounts of legislation, an active negotiation effort and, in several cases, a great deal of political will to implement. Nevertheless, I am confident that Canada has the power to change, to realize an elegant simplicity of law and a dizzying diversity of successes. There is nothing holding Canadians back save for ourselves.

Carl Shulman is a second-year philosophy student at U of T. This essay won second place in the first Go Canada! national essay competition sponsored by the JD JD/MBA Students' Association.